



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**BALCRON OIL DIVISION**

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

May 18, 1993

**RECEIVED**

MAY 20 1993

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
Salt Lake City, UT 84180

**DIVISION OF  
OIL GAS & MINING**

Gentlemen:

Enclosed are Applications for Permit to Drill the wells on the enclosed list.

As operator, we hereby request that the status of these wells be held tight for the maximum period allowed by State regulations.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY

CONFIDENTIAL

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104 (Balcron Oil Division)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

SW SW Section 8, T9S, R17E 660' FSL, 660' FWL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 13 miles SW of Myton, Utah

16. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

18. NO. OF ACRES IN LEASE

17. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5,900' 5,950'

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5370.6'

22. APPROX. DATE WORK WILL START\*

June 1, 1993

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached for details.				RECEIVED

MAY 20 1993

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM  
"B" PROPOSED SURFACE USE PROGRAM  
"C" GEOLOGIC PROGNOSIS  
"D" DRILLING PROGRAM/CASING DESIGN  
"E" EVIDENCE OF BOND COVERAGE  
"F" ARCHEOLOGY REPORT  
"G" SURVEY PLAT

"H" BOPE SCHEMATIC  
"I" RIG LAYOUT  
"J" EXISTING ROADS (Map A)  
"K" PLANNED ACCESS (Map B)  
"L" EXISTING WELLS (Map C)  
"M" CUT & FILL DIAGRAM

DIVISION OF  
OIL, GAS & MINING

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Robbie Schuman  
Robbie Schuman

TITLE

Coordinator of Environmental  
and Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO.

43-013-31398

APPROVAL DATE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE:

BY:

WELL SPACING: 649-3-2

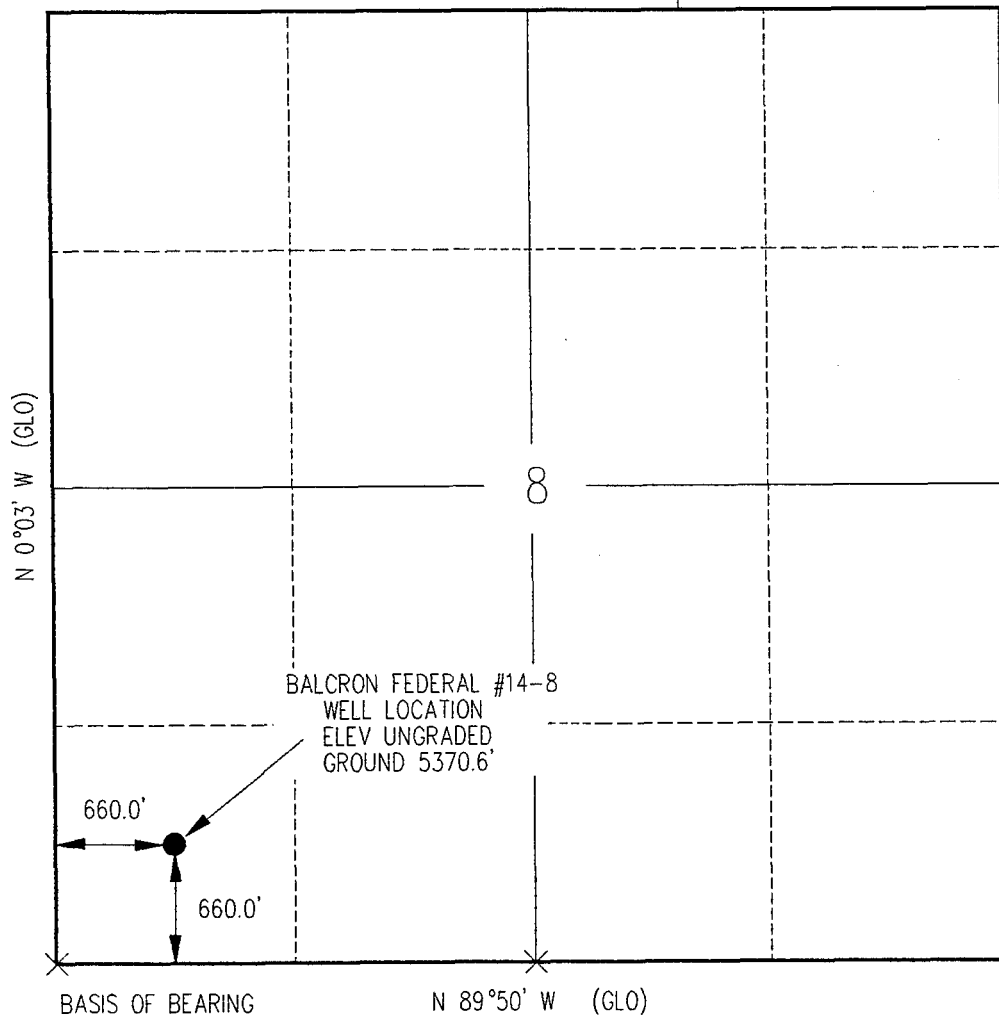
APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

N 89°54' W ' (GLO)

WELL LOCATION, BALCRON MONUMENT FEDERAL #14-8,  
LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION  
8 , T9S, R17E, S.L.B. & M, DUCHESNE COUNTY UTAH.



X = SECTION CORNERS LOCATED  
BASIS OF BEARINGS; G.L.O. PLAT 1911  
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES AND ORIGINAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION, AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

NO.  
3154

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 3154  
STATE OF UTAH STEWART

TRI STATE LAND SURVEYING & CONSULTING  
38 EAST 100 NORTH, VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: SS JC

DATE: 4/28/93

WEATHER: CLEAR & WARM

NOTES:

FILE #	#14-8
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STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK			5. Lease Designation and Serial No. Federal # U-007978	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			6. If Indian, Allottee or Tribe Name n/a	
b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone <input type="checkbox"/>			7. Unit Agreement Name n/a	
2. Name of Operator Equitable Resources Energy Company, Balcron Oil Division			8. Farm or Lease Name Balcron Monument Federal	
3. Address of Operator P.O. Box 21017; Billings, MT 59104			9. Well No. #14-8	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SW SW Section 8, T9S, R17E 660' FSL, 660' FWL At proposed prod. zone			10. Field and Pool, or Wildcat Monument Butte/Green River	
14. Distance in miles and direction from nearest town or post office* Approximately 13 miles from Myton, Utah (SW)			11. 00, Sec., T., R., N., or S14. and Survey or Area SW SW Sec. 8, T9S, R17E	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)		16. No. of acres in lease	17. No. of acres assigned to this well	
13. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.		19. Proposed depth 5,950'	20. Rotary or cable tools Rotary	
21. Elevations (Show whether DF, RT, GR, etc.) GL 5370.6'			22. Approx. date work will start* June 1, 1993	
23. PROPOSED CASING AND CEMENTING PROGRAM				
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
See attached				

Operator plans to drill well in accordance with attached Federal Application for Permit to Drill.

**RECEIVED**

MAY 20 1993

DIVISION OF  
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.  
 Signed: Robbie Schuman Title: Coordinator of Environmental and Regulatory Affairs Date: May 17, 1993  
 (This space for Federal or State office use)

API NO. \_\_\_\_\_ Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
 Conditions of approval, if any:

\*See Instructions On Reverse Side



EQUITABLE RESOURCES ENERGY COMPANY  
Balcron Oil Division  
Balcron Monument Federal #14-8  
SW SW Section 8-T9S-R17E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program/Casing Design (EXHIBIT "D")  
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon as the BLM approves this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

**Multi-Point Surface Use and Operations Plan**

EQUITABLE RESOURCES ENERGY COMPANY  
BALCRON OIL DIVISION  
BALCRON MONUMENT FEDERAL #14-8  
SW SW Section 8, T9S, R17E  
DUCHESNE COUNTY, UTAH

**1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)**

- A. The proposed well site is staked and four reference stakes are present. 150' & 200' SE and 200' & 250' SW
- B. The Monument Federal #14-8 is located approximately 13 miles Southwesterly of Myton Utah, in the SW1/4 SW1/4 Section 8, T9S, R17E, SLB&M, Duchesne County, Utah. To reach the 14-8, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 11.4 miles to an intersection with the Pariette Bench road, turn right and continue 1.7 miles to road intersection; turn right and proceed 0.2 mile to proposed access road sign. Follow flags 400 feet to location.
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

**2. Planned Access Roads: Refer to Map "B" (shown in GREEN)**

Approximately 400 feet of new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - 2%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - no culverts will be required. There are no major cuts and/or fills on/along the proposed access road route.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original

construction standards. All drainage ditches and culverts will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

- J. The proposed access road has been centerline flagged.
- k. If a right-of-way is required please consider this APD the application for said right-of-way

**3. Location of Existing Wells Within a One-Mile Radius:**

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

**4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:**

**A. Existing**

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

**B. New Facilities Contemplated**

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via "Sundry Notice" (Form 3160-5) for approval of subsequent installation operations.
- 3. Production facilities will be accommodated on the

existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.
- C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
- D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
- E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.

For Pipeline:

- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
- G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

## **5. Location and Type of Water Supply**

- A. Water to be used for the drilling of these wells will be

hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah.

B. No water well will be drilled on this location.

## **6. Source of Construction Materials**

A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.

B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

C. All surface disturbance area is on B.L.M. lands.

D. There are no trees on this location.

## **7. Methods of Handling Waste Materials:**

A. Cuttings - the cuttings will be deposited in the reserve pit.

B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within ninety (90) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. If at the time of construction it is determined to be necessary, the reserve pit will be

lined with a plastic nylon reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

#### **8. Ancillary Facilities:**

None anticipated.



## 9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There will be three (3) trailers on location during drilling operation.
- C. A diagram showing the proposed production facility layout will be submitted to the Authorized Officer via Sundry Notice (Form 3160-5) for approval of subsequent operations.
- D. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid. The flare pit will be located downwind of the prevailing wind between corner #5 and corner #6. Access will be from the south near corner #2.

The reserve pit will not be lined unless requested by the B.L.M. or unless it is deemed necessary by Equitable Resources. If a plastic reinforced liner is used, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- E. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
  - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
  - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- F. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed.

#### **10. Plans for Reclamation of the Surface:**

The B.L.M. will be contacted prior to commencement of any reclamation operations.

##### **A. Production**

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. If a plastic or nylon reinforced pit liner is used, it shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or dished prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, then roller packing following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 1 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the following seed mixture:

Pure Live Seed (PLS)		Seed Mix
lbs./acre		
1		Forage Kochia ( <i>Kochia prostrata</i> )
5		Ephriam Crested Wheatgrass ( <i>Agropyron cristatum</i> Ephriam)
4		Russian Wildrye ( <i>Elymus junceus</i> )
2		Fourwing Saltbush ( <i>Atriplex canescens</i> )

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 1 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

**B. Dry Hole/Abandoned Location**

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:

- (a) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeded operations will be performed in the fall or spring following completion of reclamation operations.

**11. Surface Ownership:**

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

**12. Other Information:**

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 12 miles South of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and

the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML) type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
  - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
  - 2. There are no occupied dwellings in the immediate area
  - 3. An archaeological report will be forwarded upon completion. *Attached as Exhibit "F."*
  - 4. There are no reported restrictions or reservations noted on the oil and gas lease.

**13. Lessee's or Operator's Representative:**

Balcron Oil  
a division of Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406)259-7860  
FAX: (406)245-1361

Dave McCoskery, Drilling Engineer Home (406)248-3864

Dale Griffin, Home (303)824-3323

**14. certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

May 17, 1993

Date

Bobbie Schuman

Bobbie Schuman  
Coordinator of Enviromental  
and Regulatory Affairs  
BALCRON OIL division of  
Equitable Resources Energy  
Company

٨

**XXXXXXXXXXXXXXXXXXXXXXXXXXXX**

EXPLORATORY \_\_\_\_\_  
DEVELOPMENT   X  

WELL NAME: Balcron Monument Fed. #14-8

PROSPECT/FIELD: Monument Butte  
SECTION 8 TOWNSHIP 9S RANGE 17E

COUNTY: Duchesne STATE: UT GL(Ung): 5370.6' EST KB: 5378' TOTAL DEPTH 5950'

[illegible]

CONTROL WELL: Diamond Shamrock Qtr/Oil SESW Section 8 Township 9S Range 17E  
Paiute Federal #24-8

50	5 a m p l e s	1400	10
20	5 a m p l e s	3800	10
	5 a m p l e s		10
	5 a m p l e s		10
	5 a m p l e s		10
	5 a m p l e s		10

LOGS:

[illegible]

General Samples To:

Utah Geological Sample Library  
1 Dry Cut

**צוהר :**

None

DRILL STEM TESTS:

None

Required: (Yes/No) Yes  
Type: Two Man

## WELLSITE GEOLOGIST:

From: 1400 to TD  
Name: \_\_\_\_\_ Date: 11 ( 11 ) \_\_\_\_\_  
Address: \_\_\_\_\_

-----

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-----

-----

PREPARED BY: K. K. Reinschmidt, S. W. VanDelinder

DATE: 5-13-93

R

**Equitable Resources Energy Company  
Balcron Oil Division**

**DRILLING PROGRAM**

**WELL NAME:** Balcron Federal 14-8      **PROSPECT/FIELD:** Monument Butte  
**LOCATION:** SW SW Sec.8 Twn.9S Rge.17E  
**COUNTY:** Duchesne      **STATE:** Utah

**TOTAL DEPTH:** 5950

**HOLE SIZE      INTERVAL**

12 1/4"    0 to 260'  
 7 7/8"    260 to 5950'

<b>CASING</b>	<b>INTERVAL</b>		<b>CASING</b>		
<b>STRING TYPE</b>	<b>FROM</b>	<b>TO</b>	<b>SIZE</b>	<b>WEIGHT</b>	<b>GRADE</b>
Surface Casing	0	260	8 5/8"	24 #/Ft	J-55
Production Casing	0	5950	5 1/2"	15.50#/Ft	J-55
(All Casing will be new, ST&C)					

**CEMENT PROGRAM**

**Surface**      150 sacks 75% Class "G" 25% Poz with 2% CaCl and 1/4 #/Sk Flocele.  
 ( Cement will be circulated to surface.)

**Production**      250 sacks Thifty Lite and 400 sacks 50-50 Poz mix.  
 ( Top of cement will be 2000')

**PRELIMINARY  
DRILLING FLUID PROGRAM**

<b>TYPE</b>	<b>FROM</b>	<b>TO</b>	<b>WEIGHT</b>	<b>PLAS. VIS</b>	<b>YIELD POINT</b>
Air and air mist	0	260	N.A.	N.A.	N.A.
Air/Air Mist/KCl Water	260	T.D.	8.7-8.9	N.A.	N.A.

Drilling will be with air from surface to as deep as hole conditions allow. 2% KCl fluid will be used for the remainder of the hole.

**COMMENTS**

- 1.) No cores or DST's are planned.



BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: Balcron Fed. 14-8
Project ID:	Location: Monument Butte, Utah

Design Parameters:

Mud weight ( 8.90 ppg) : 0.462 psi/ft  
 Shut in surface pressure : 2156 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,950	5-1/2"	15.50	J-55	ST&C	5,950	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2751	4040	1.469	2751	4810	1.75	92.23	202	2.19 J

Prepared by : McCoskery, Billings, MT

Date : 05-17-1993

Remarks :

Minimum segment length for the 5,950 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and 2,751 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
MONTANA STATE OFFICE  
222 NORTH 32ND STREET  
P.O. BOX 36800  
BILLINGS, MONTANA 59107-6800



IN REPLY TO:

MTM 12619-A et al  
BLM BOND NO. MT0576  
(922.31)

April 25, 1989

## NOTICE

Equitable Resources Energy Company  
P. O. Box 21017  
Billings, Montana 59104

OIL AND GAS

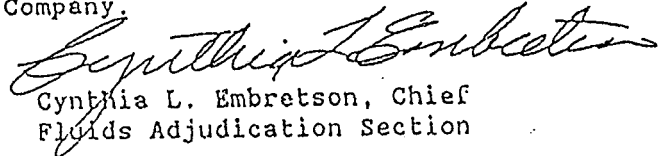
### CORPORATE MERGER RECOGNIZED RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

  
Cynthia L. Embretson, Chief  
Fluids Adjudication Section

1 Enclosure  
1-Exhibit A

cc: (w/encl.)  
AFS, Denver (1)  
All DMs (1 ea.)  
RMO Section (1)  
Regional Forester, Lakewood (2)  
Regional Forester, Missoula (2)  
Bureau of Reclamation (1)

Form 3104-8  
(July 1984)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE  
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)

Other Oil and Gas Leasing Authorities as Applicable

KNOW ALL MEN BY THESE PRESENTS, That we  
BALCRON OIL COMPANY  
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and  
SAFECO INSURANCE COMPANY OF AMERICA  
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY THOUSAND AND 00/100-----dollars (\$ 150,000.00 ), in lawful money of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves, and each of our heirs, executors, administrators, and successors, jointly and severally.

- ☐ The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States, including Alaska, issued or acquired under the Acts cited in Schedule A.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached hereto by the lessor with the consent of the surety.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petroleum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that, whereas the said principal has an interest in oil and gas leases issued under the Acts cited in this bond: (1) as lessee; (2) as the approved holder of operating rights in all or part of the lands covered by such leases under operating agreements with the lessees; or (3) as designated operator or agent under such leases pending approval of an assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, ex-

tract, remove, and dispose of oil and gas deposits in or under the lands covered by the leases, operating agreements or designations and is obligated to comply with certain covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice to the surety the coverage of this bond, in addition to the present holdings of the principal, shall extend to and include:



SAFECO

SURETY RIDER

EXHIBIT "E" Page 3 of 4  
SAFECO INSURANCE COMPANY OF AMERICA  
GENERAL INSURANCE COMPANY OF AMERICA  
FIRST NATIONAL INSURANCE COMPANY  
OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM Bond No. MT0576)

dated effective 9/8/88

(MONTH, DAY, YEAR)

executed by BALCRON OIL COMPANY

(PRINCIPAL)

and by SAFECO INSURANCE COMPANY OF AMERICA

(SURETY)

in favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND  
(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89

(MONTH, DAY, YEAR)

Signed and Sealed 4/10/89

(MONTH, DAY, YEAR)

EQUITABLE RESOURCES ENERGY COMPANY

PRINCIPAL

By: \_\_\_\_\_ TITLE

SAFECO INSURANCE COMPANY OF AMERICA

SURETY

By: R. George Voinchet

ATTORNEY-IN-FACT



POWER  
OF ATTORNEY

SAFECO INSURANCE COMPANY OF AMERICA  
GENERAL INSURANCE COMPANY OF AMERICA  
HOME OFFICE: SAFECO PLAZA  
SEATTLE, WASHINGTON 98185

EXHIBIT "E" Page 4 of 4  
3798

No. \_\_\_\_\_

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each a Washington corporation, does each hereby appoint

-----THOMAS L. VE HAR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA  
and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

(i) The provisions of Article V, Section 13 of the By-Laws, and

(ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and

(iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this 10th day of April, 19 89.



# ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853  
Tel: (801) 292-7061, 292-9668

May 6, 1993

**Subject:** CULTURAL RESOURCE EVALUATION OF NINE PROPOSED  
WELL LOCATIONS IN THE CASTLE PEAK DRAW LOCALITY OF  
DUCHESNE AND UINTAH COUNTIES, UTAH

**Project:** Balcron Oil Company -- 1993 Development Program for the  
Monument Butte Lease Area Units: 41-18, 14-8, 21-13Y, 21-25Y,  
41-21Y, 21-9, 44-14Y, 24-3Y, and 22-10Y

**Project No.:** BLCCR-93-1

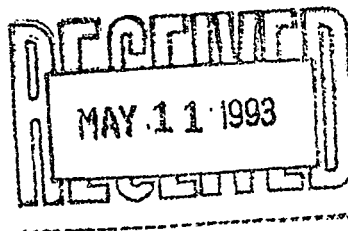
**Permit No.:** Dept. of Interior -- UT-92-54937

**Utah State No.:** UT-93-AF-158b

**To:** Ms. Ms. Bobbie Schuman, Balcron Oil Company, P.O. Box 21017, Billings,  
Montana 59104

Mr. David Little, District Manager, Bureau of Land Management, 170 South 500  
East, Vernal, Utah 84078

**Info:** Antiquities Section, Division of State History, 300 Rio Grande, Salt Lake City,  
Utah 84101



5-13-93 NOTE: The access  
route on our 41-214 was  
changed at the onsite.  
The new access will be  
re-evaluated and a  
supplemental report  
submitted. /ms

CULTURAL RESOURCE EVALUATION  
OF NINE PROPOSED WELL LOCATIONS IN THE  
CASTLE PEAK DRAW LOCALITY  
OF DUCHESNE AND UINTAH COUNTIES, UTAH

Report Prepared for BALCRON OIL COMPANY

Dept. of Interior Permit No.: UT-92-54937  
AERC Project 1373 (BLCR-93-1)

Utah State Project No.: UT-93-AF-158b

Principal Investigator: F. Richard Hauck, Ph.D.  
Author of Report: Glade Hadden

ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)

181 North 200 West, Suite 5  
P.O. Box 853  
Bountiful, Utah 84011-0853

May 6, 1993

## ABSTRACT

Intensive cultural resource evaluations have been conducted for Balcron Oil Company of seven proposed well locations on federal lands in the Castle Peak Draw locality of Duchesne and Uintah Counties, Utah. The examinations of these nine locations involved a total of 119.1 acres of which 29.1 acres (4 miles) includes eight separate access routes associated with Units 41-18, 14-8, 21-13Y, 21-25Y, 41-21Y, 21-9, 44-14Y and 24-3Y. The remaining 90 acres involves ten acre parcels at all nine of the proposed Units (41-18, 14-8, 21-13Y, 21-25Y, 41-21Y, 21-9, 44-14Y, 24-3Y and 22-10Y). These evaluations were conducted on May 3 and 4, 1993 by archaeologist Glade Hadden under the supervision of F. Richard Hauck.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

One newly identified cultural resource activity locus was evaluated and recorded during the examinations. This site (42UN 2062) consists of a non-significant lithic scatter associated with proposed Unit 44-14Y.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.



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## GENERAL INFORMATION

On May 3 and 4, 1993, archaeologist Glade Hadden acting under the supervision of F.R. Hauck, conducted intensive cultural resource evaluations for Balcron Oil Company of Billings, Montana. These examinations involved nine separate well locations (41-18, 14-8, 21-13Y, 21-25Y, 41-21Y, 21-9, 44-14Y, 24-3Y and 22-10Y) and eight linear access route evaluations totaling 4 miles associated with Units 41-18, 14-8, 21-13Y, 21-25Y, 41-21Y, 21-9, 44-14Y and 24-3Y. This project area is situated in the Castle Peak Draw locality of Duchesne and Uintah Counties, Utah.

This project is situated on federal lands administered by the Diamond Mountain Resource Area of the Vernal District of the Bureau of Land Management.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations requires an archaeological evaluation in compliance with the Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

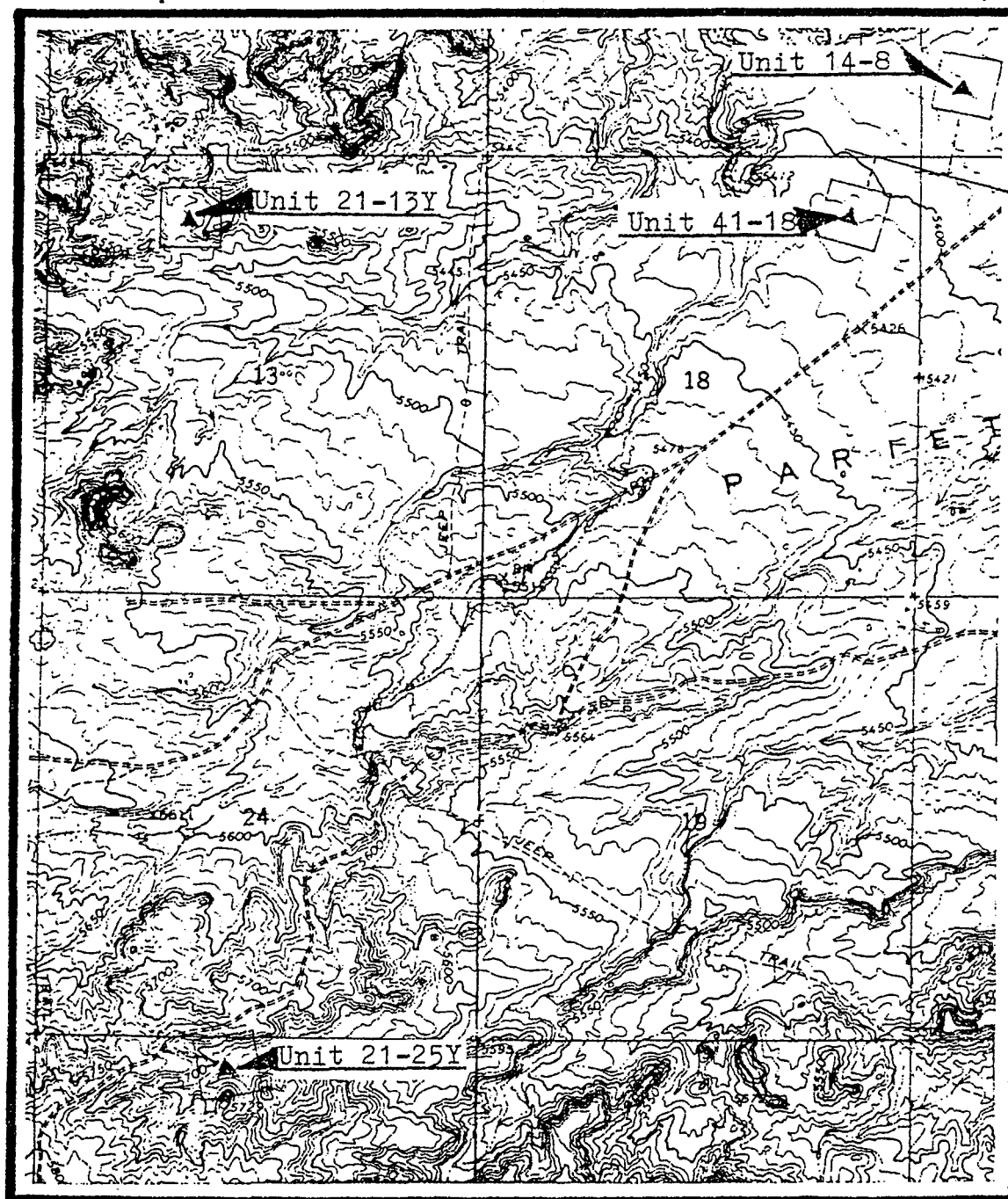
In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Vernal District Office of the Bureau of Land Management relative to the locations on public lands, and to the Antiquities Section of the Utah State Division of History. This work was done under U.S. Department of Interior Permit for Utah UT-92-54937 which expires on January 31, 1994.

The nine evaluated well locations included nine 10 acre parcel evaluations for a total of 90 acres. A series of 15 to 20 meter-wide survey transects were walked within the 60 foot-wide corridors associated with the eight access routes covering a total distance of 4 miles or some 29.1 acres. A total of 119.1 acres were examined during this inventory.

## Project Location

The project location is in the Vernal District of the Bureau of Land Management. It is situated on the Myton SE, Myton SW and Pariette Draw SW 7.5 minute topographic quads as shown on the attached maps.

AERC



T. 9 South  
R. 16 and 17 E  
Meridian: S.L.B.M.  
Quad: Myton SE,  
Utah

**MAP 1**  
Cultural Resource Survey  
of Balcon Units 41-18,  
14-8, 21-13Y and 21-25Y,  
Castle Peak Draw Area

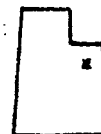
**Legend:**

Well Location ▲  
Access Route - - - -

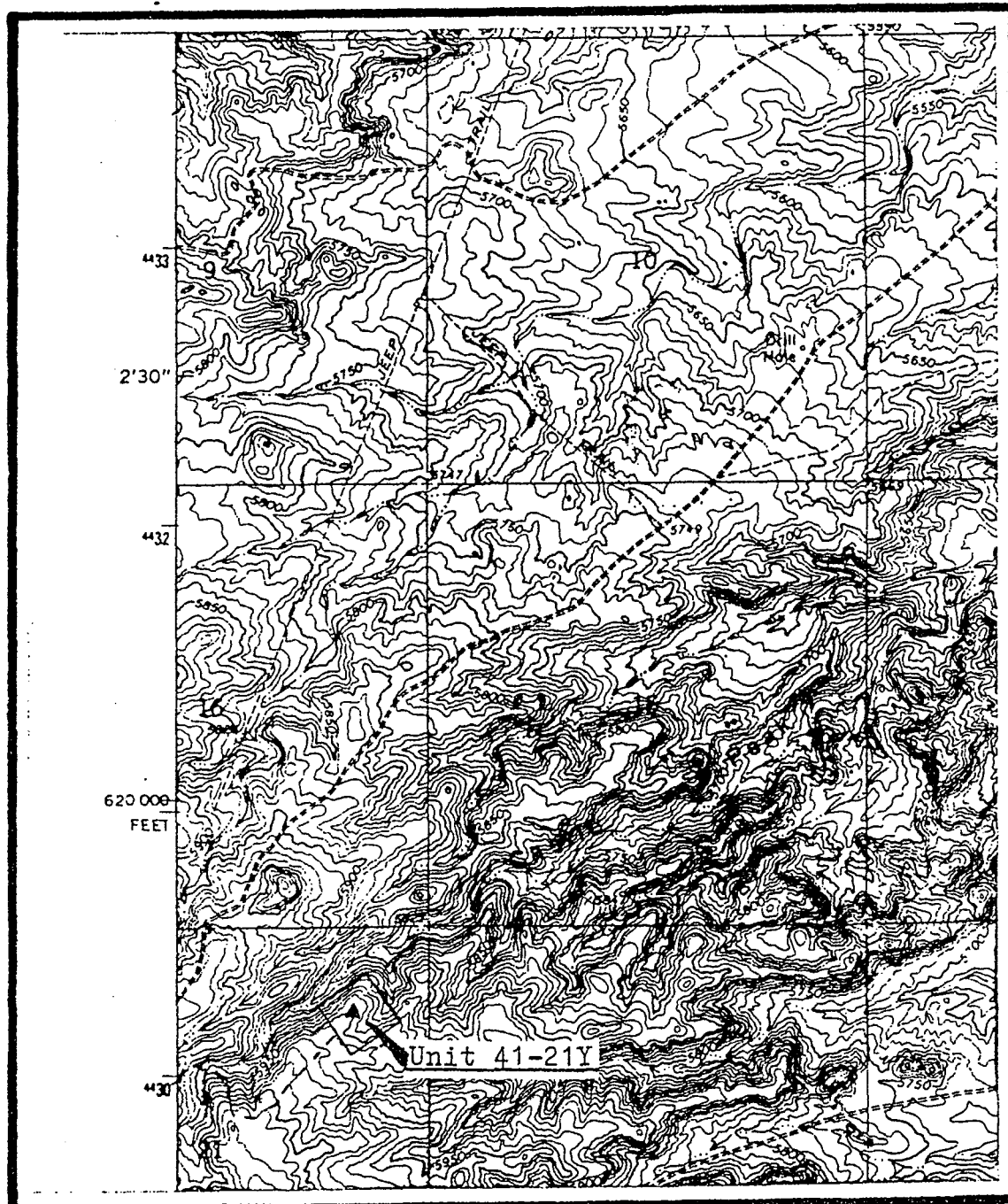
4  
N

Project: BLCR-93-1  
Series: Uinta Basin  
Date: 5-6-93

Scale: 1:24,000



AEK



T. 9 South  
R. 16 East  
Meridian: S.L.B.M.  
Quad: Myton SE  
Utah

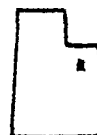
**MAP 2**  
Cultural Resource Survey  
of Balcon Unit 41-21Y in  
the Castle Peak Draw area  
of Duchesne County

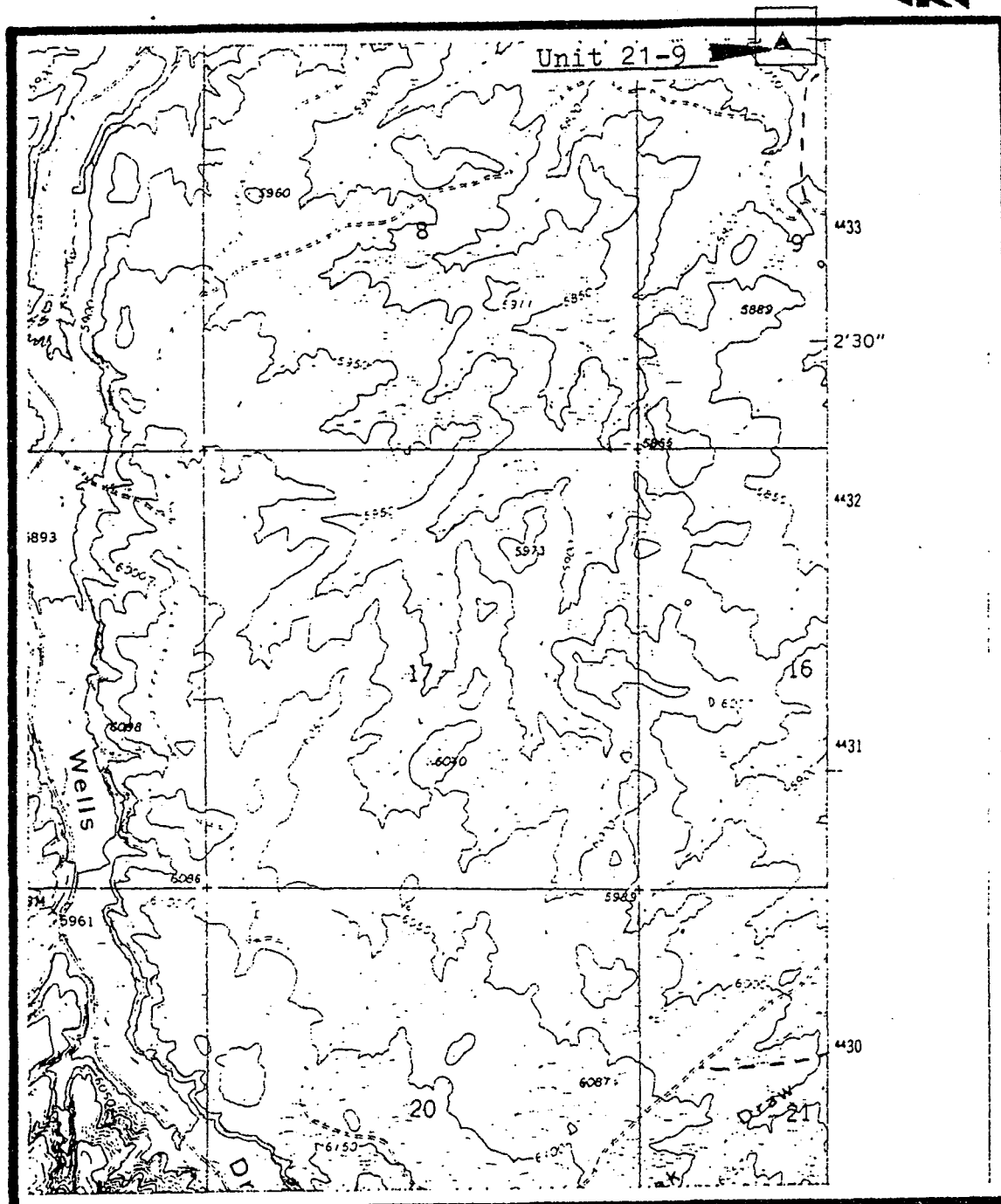
**Legend:**  
Well Location   
Access Route

4  
N

Project: BLCR-93-1  
Series: Uinta Basin  
Date: 5-6-93

Scale: 1:24,000





T. 9 South  
R. 16 East  
Meridian: S.L.B.M  
Quad: Myton SW,  
Utah

**MAP 3**  
Cultural Resource Survey  
of Balcon Unit 21-9 in the  
Castle Peak Draw Area of  
Duchesne County

**Legend:**  
Well Location ▲  
Access Route - - -

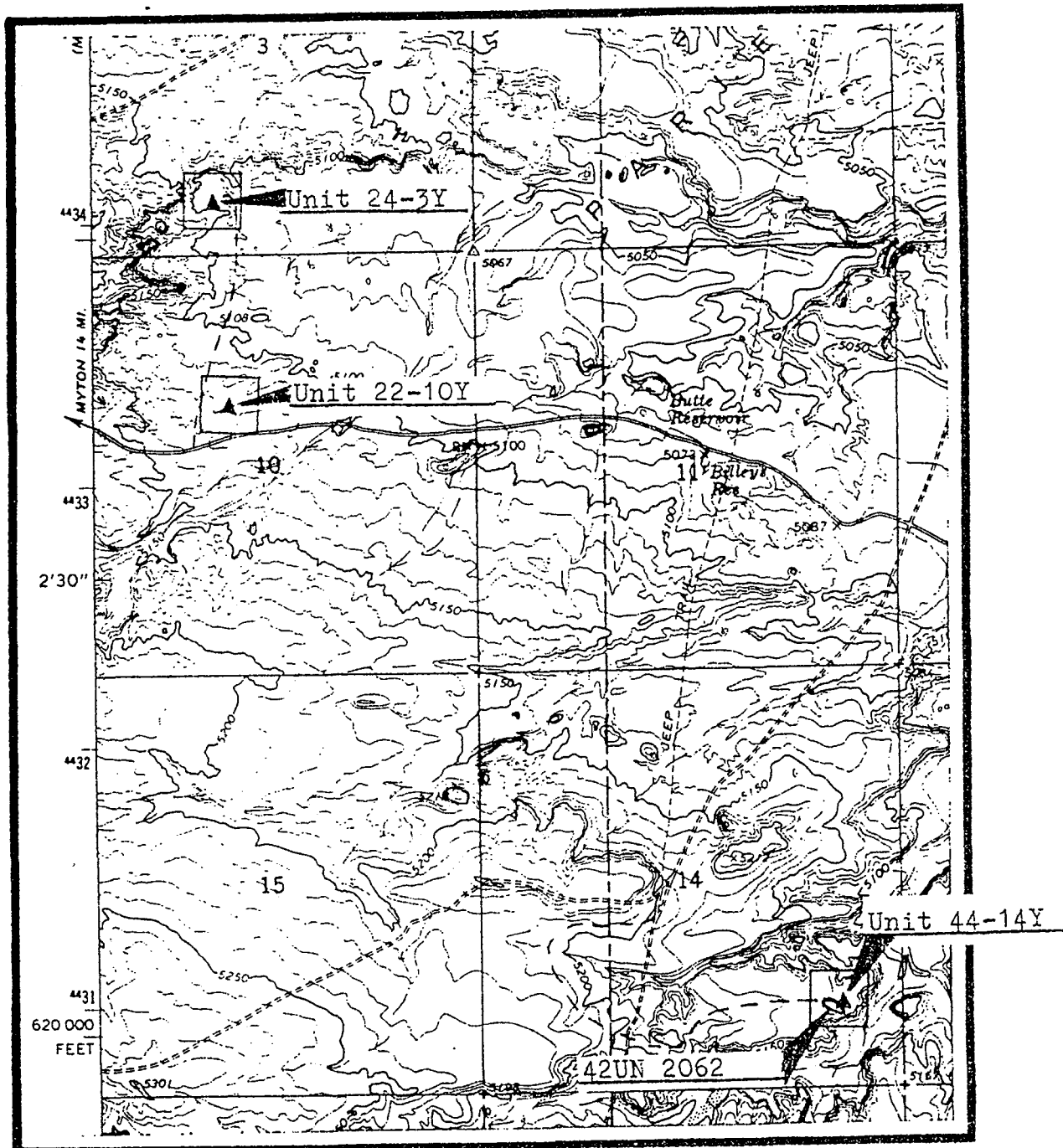
4  
N

Project: BLCR-93-1  
Series: Uinta Basin  
Date: 5-6-93

Scale: 1:24,000






AERC



T. 9 South  
 R. 17 East  
 Meridian: S.L.B.M.  
 Quad: Pariette  
 Draw SW,  
 Utah

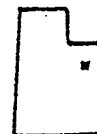
**MAP 4**  
 Cultural Resource Survey  
 of Balcon Units 44-14Y,  
 24-3Y and 22-10Y in the  
 Castle Peak Draw Area

**Legend:**

Well Location   
 Access Route   
 Cultural Site 

Project: BLCR-93-1  
 Series: Uinta Basin  
 Date: 5-6-93

Scale: 1:24,000



Unit 41-18 is situated in the NE - NE quarter of Section 18, Township 9 South, Range 17 East. Its access route extends for ca. .2 mile to the southwest from an existing road traversing the northeastern corner of that section (see Map 1).

Unit 14-8 is in the SW - SW quarter of Section 8 of that same township and range. An access route extends ca. .2 mile northeast from the same existing road to the location (see Map 1).

Unit 21-13Y is situated in Section 13, Township 9 South, Range 16 East. This unit is situated in the NE - NW quarter of that section (see Map 1). Its access route extends ca. .5 mile east along an existing jeep trail, then southeast onto the location.

Unit 21-25Y is in the NE - NW of section 25 of Township 9 South, Range 16 East. The unit is accessible via a ca. .2 mile-long access that begins at an existing road which crosses the NW corner of that section, and extends to the southeast to the well location.

Unit 41-21Y is located in the NE - NE quarter of Section 21, Township 9 South, Range 16 East (see Map 2). Its 1 mile-long access begins at an existing roadway to the southwest of the location (see Map 3).

Unit 21-9 is also located in Township 9 South, Range 16 East. It is situated in the NE - NW quarter of Section 9 (see Map 3). This unit has a ca. .4 mile access route which will connect the location with the existing road to the south of the location (see maps 2 and 3).

Unit 44-14Y is located in the SE - SE quarter of section 14, Township 9 South, Range 17 East. A ca. 1 mile access route links the unit with an existing one lane jeep trail to the west, near the center of section 14. This jeep trail, in turn, connects with a road/pipeline corridor ca. .5 mile to the north (see map 4).

Unit 24-3Y is situated in the SE - SW quarter of section 3, Township 9 South, Range 17 East. A ca. .5 mile access route connects the unit to the main Castle Peak / Pariette Bench road to the south (see map 4).

Unit 22-10Y is in the SE - NW quarter of section 10 in that same township and range. The unit is located immediately adjacent to the access route leading to unit 24-3Y (see map 4).

#### Environmental Description:

The project areas range within the 5100 to 5900 foot elevation zone above sea level. Open rangeland terrain surfaces are associated with all locations.



The vegetation in the project area includes *Chrysothamnus* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Artemesia tridentata*, *Atriplex canescens*, and *Bromus tectorum*.

The geological associations within the project area consist of fluvial and lake deposits which correlate with the Uinta Formation which is of Tertiary age.

## PREVIOUS RESEARCH IN THE LOCALITY

### File Search

Records searches of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City were conducted on May 5, 1993. A similar search was conducted in the Vernal District Office of the BLM on May 3, 1993. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Castle Peak Draw locality. Most of these prehistoric resources, including 42DC 349, 350, 351, 352, 353, 732, 761, 763 and 765 have been identified and recorded by AERC during previous evaluations (Hauck 1981, 1992a, 1992b, 1992c, 1992d). Additional sites previously recorded in this locality include Sites 42DC 423, 424, and 425 which were documented by Sagebrush (Polk 1982), 42DC 382 identified by Grand River (Babcock 1981), and 42DC 539, 540, 541, 542, 543 and 556 recorded by BLM Archaeologist Blaine Phillips in 1983.

One site identified in the project area during the search may be affected. Site 42DC 765 is a lithic scatter/rockshelter complex located by AERC during a previous evaluation for Balcron in the area (Hauck 1992e). This site is located in section 8, adjacent to the proposed development area for unit 14-8, ca. 100 meters from the impacted area (see map 1). Site 42DC 765, while not directly affected by the proposed development may be adversely affected by the increased availability of access to the site.

## Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American

trappers, explorers, and settlers. Basically, each cultural stage -- with the exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

### Site Potential in the Project Development Zone

Previous archaeological evaluations in the region have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Open occupations are also known in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., the Fremont Culture, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and principal tributaries.

The majority of known sites in this project area are lithic scatters (42DC 349, 350, 353 and 763). Open occupations such as 42DC 352 are also present. Sites 42DC 351 and 761 are rock shelters. Based on the recovery of a Folsom point and a Desert Side-notch arrow point, a possible Paleoindian component and a more recent Numic component exist on Site 42DC 353. Sites in the project locality generally appear to have been occupied during the Archaic Stage and the Late Prehistoric Period.

Site density in Castle Peak Draw appears to range from six to over ten sites per section. This moderate to high density decreases substantially on the benches.

## FIELD EVALUATIONS

### Methodology

Intensive evaluations were accomplished within each survey area by the archaeologist walking 10 to 20 meter-wide transects within each ten acre parcel associated with a well location. In addition, double 15 to 20 meter-wide transects were walked flanking the flagged centerline. Thus, ca. 4 miles or 29.1 acres of public lands associated with the eight access routes and another 90 acres associated with the nine well locations were examined by Glade Hadden acting under the direction of F. Richard Hauck, the Principal Investigator.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

### Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or
- b. that are associated with the lives of persons significant in our past; or
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or
- d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

### Results of the Inventory:

One non-significant prehistoric cultural resource activity locus was observed, evaluated and recorded during the archaeological evaluations. This site has been subsequently listed in the State and BLM files as 42UN 2062.

Site 42UN 2062 (see map 4) consists of a 20 x 100 meter lithic scatter that is predominantly composed of locally procured Parachute Creek chert nodules, primary and secondary flakes and a single non-diagnostic bifacially prepared

artifact. Detritus spread extends ca. 100 meters along the top of a bench associated with well location 44-14Y. Most of the site lies within the proposed development zone or access route for the unit. A small (ca. 2 x 10 meter) concentration of 6 primary and secondary flakes is associated with the single artifact. This small concentration lies entirely outside the proposed development area for the well location but is within the proposed access route. A more widely dispersed distribution of primary flakes and core fragments extending along the bench indicates limited prehistoric lithic testing and procurement activity at this site. Little potential exists for buried deposits, and no other features were noted. Site integrity is good to excellent, with the only noted impact agent being erosion, however potential for extensive occupational strata and material deposits is low. Temporal and cultural associations for this site are presently unknown; no diagnostic artifacts or exposed features were observed during the survey.

This site is a non-significant resource. There exists little potential for providing any pertinent or valuable information on the prehistory of the region relative to criterion d of Title 36 CFR 60.6.

None of the previously recorded cultural sites in this project locality will be adversely affected by the proposed developments, with the possible exception of site 42DC 765. This site, while not directly affected, may be adversely impacted by the increased availability of access provided by the development of unit 14-8.

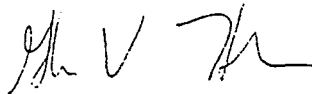
No isolated diagnostic artifacts were observed or collected during the survey. A single non-diagnostic artifact associated with site 42UN 2062 was collected.

## CONCLUSION AND RECOMMENDATIONS

The development and maintenance of these nine locations will not have any direct adverse effect on any NRHP eligible cultural resources in this locality.

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of the nine well locations noted above based upon adherence to the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the development areas.



Glade Hadden  
Field Archaeologist



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

## REFERENCES

Babcock, T.

- 1981 Report on Cultural Resources Identified During an Inventory of Proposed Lomax 1-26 Well Location in the Monument Buttes Area of Duchesne County, 11/12/81. Report Prepared for Grand River Consultants, Grand Junction.

Hauck, F. Richard

- 1981 Cultural Resource Inventory of Nine Proposed Well Locations and Access Roads in the Coyote Basin Locality of Uintah County, Utah, and in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Diamond Shamrock, DS-81-2, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
- 1992a Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-2, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation (AERC), Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation (AERC), Bountiful.

1992e Cultural Resource Evaluation of 7 Proposed Well locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation (AERC), Bountiful.

Polk, Michael

1982 Cultural resource inventory of NGC Well No. 12-8h. Report prepared by Sagebrush Archaeological Consultants, Ogden.

Department of the Interior  
Bureau of Land Management  
Utah State Office  
(AERC FORMAT)

Summary Report of  
Inspection for Cultural Resources

Authorization No .U.9.3.A.F.1.5.8.b. .

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐

Comments: \_\_\_\_\_  
\_\_\_\_\_

M O N U M E N T B U T T E S 9 W E L L U N I T S

1. Report Title . . . . .

BALCRON OIL CO. (14-8, 41-18, 24-3Y, 22-10Y, 44-14Y, 41-21Y, 21-9,  
21-13Y, 21-25Y)

2. Development Company \_\_\_\_\_

3. Report Date . . . 0 5 06 1 9 9 3 4. Antiquities Permit No. UT-92-54937

A E R C B L C R - 9 3 - 1 Uintah and Duchesne

5. Responsible Institution . . . . . County \_\_\_\_\_

6. Fieldwork

0 9 S 1 7 E 0 3 0 8 1 0 1 4  
1 8

7. Resource Location: TWN . . . . . RNG . . . . . Section. . . | . . | . . | . . |

Area 0 9 S 1 6 E 0 9 1 3 2 1 2 5

.D.M. TWN . . . . . RNG . . . . . Section. . . | . . | . . | . . |

8. Description of Examination Procedures: The archeologist, Glade Hadden, acting under the direction of F.R. Hauck intensively examined nine 10 acre well parcels and associated access routes by walking a series of 10 to 20 meter-wide transects within the locations and along the flagged access centerlines.

9. Linear Miles Surveyed 4 10. Inventory Type I  
and/or  
Definable Acres Surveyed . . . . . R = Reconnaissance  
and/or I = Intensive  
Legally Undefinable 1 1 9 . 1 S = Statistical Sample  
Acres Surveyed . . . . .

11. Description of Findings: 12. Number Sites Found .1. . . . .  
One cultural resource site was identified (No sites = 0)  
during the survey. Site 42UN 2062 is a 13. Collection: .Y.  
lithic scatter. One biface was collected. Y = Yes, N = No)  
This site is non-significant.

14. Actual/Potential National Register Properties Affected:  
The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 5-5-93 Vernal District  
Office Records 5-3-93



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16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for these proposed developments based on the following stipulations:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the corridor examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

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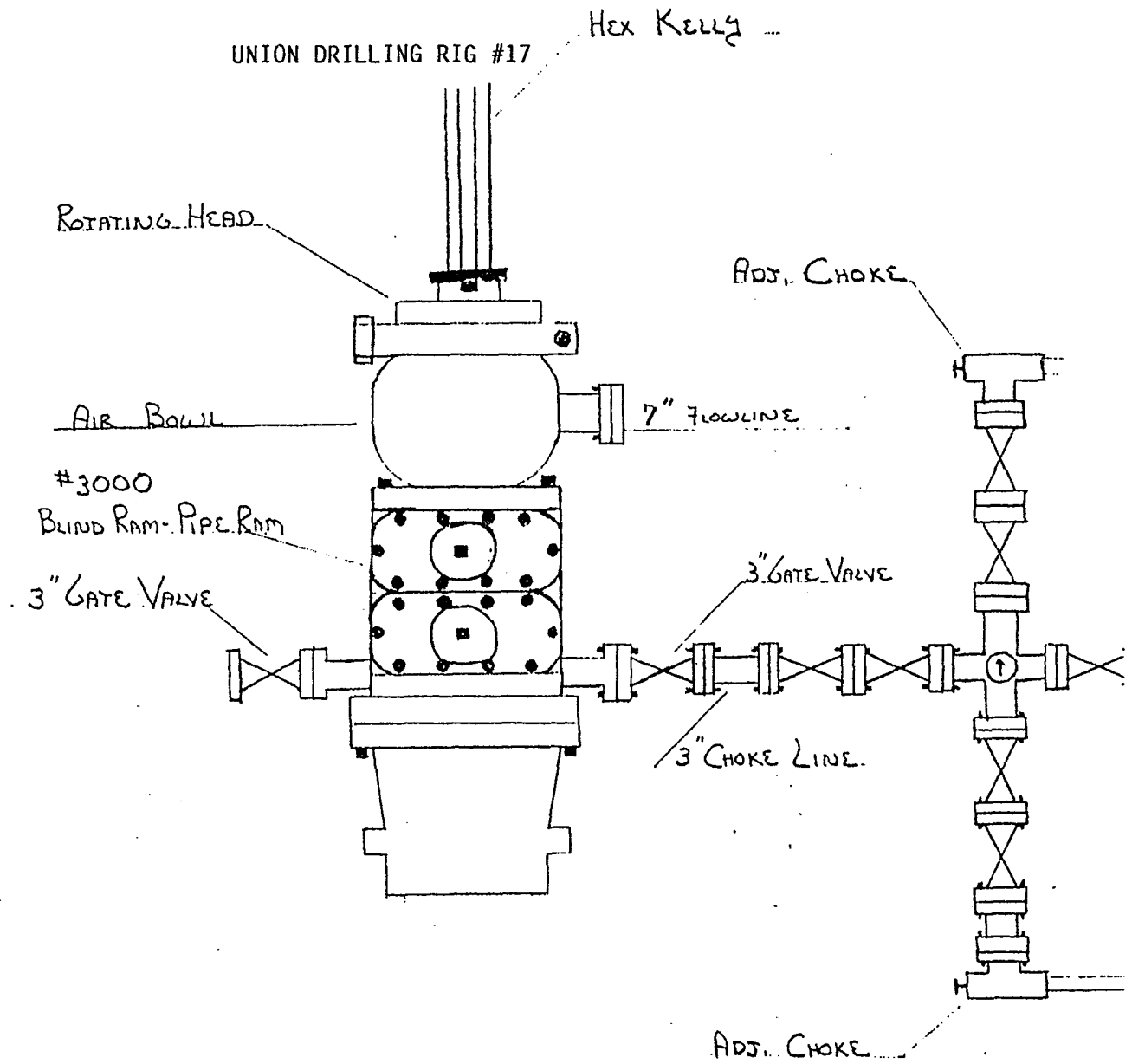
17. Signature of Administrator  
& Field Supervisor

UT 8100-3 (2/85)

Administrator

Field  
Supervisor

M. V. Z.

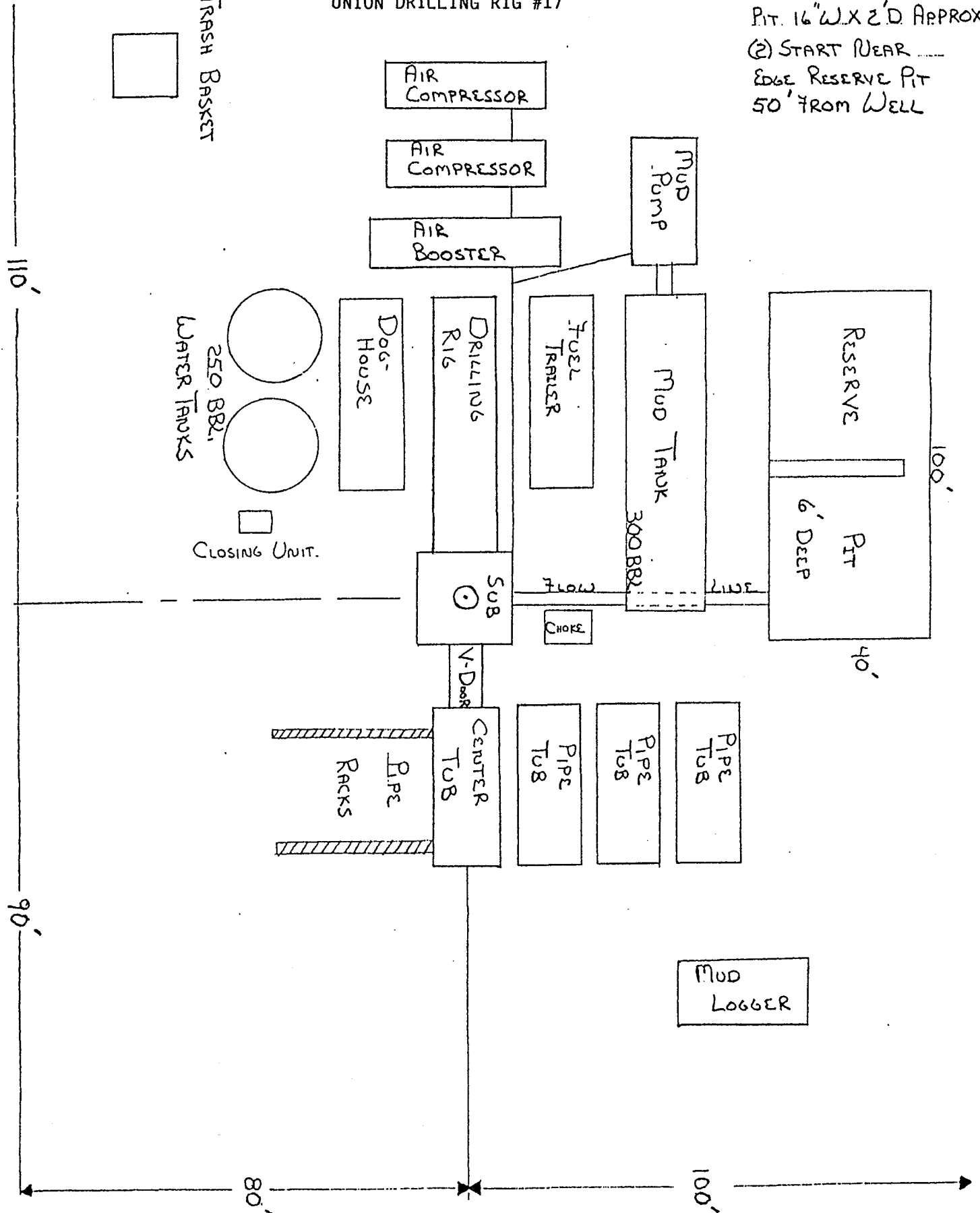


#3000 STACK

# EXHIBIT "I"

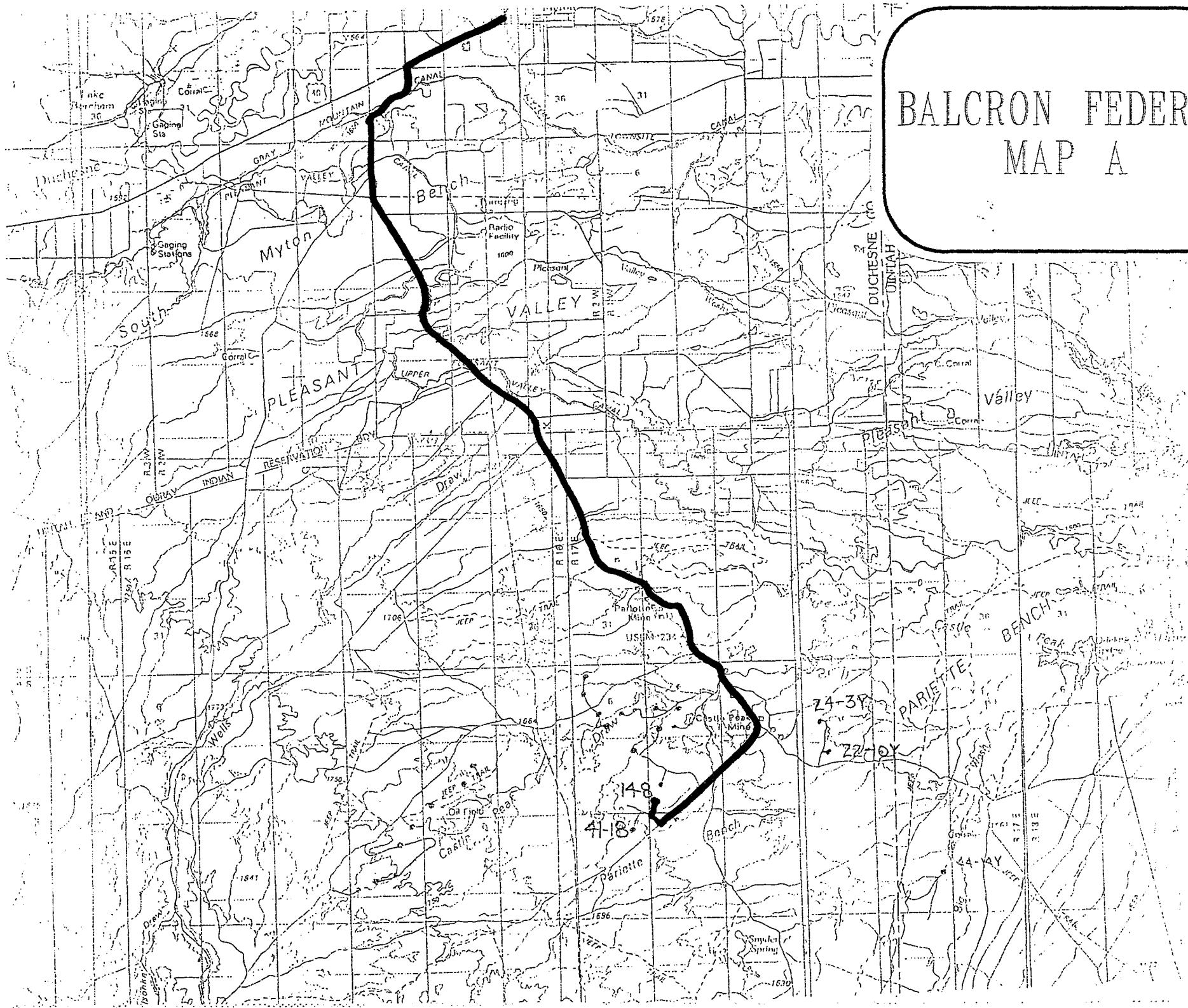
UNION DRILLING RIG #17

- (1) CUT DITCH FROM WELL TO RESERVE PIT. 16" W. X 2' D. APPROX
- (2) START NEAR EDGE RESERVE PIT 50' FROM WELL

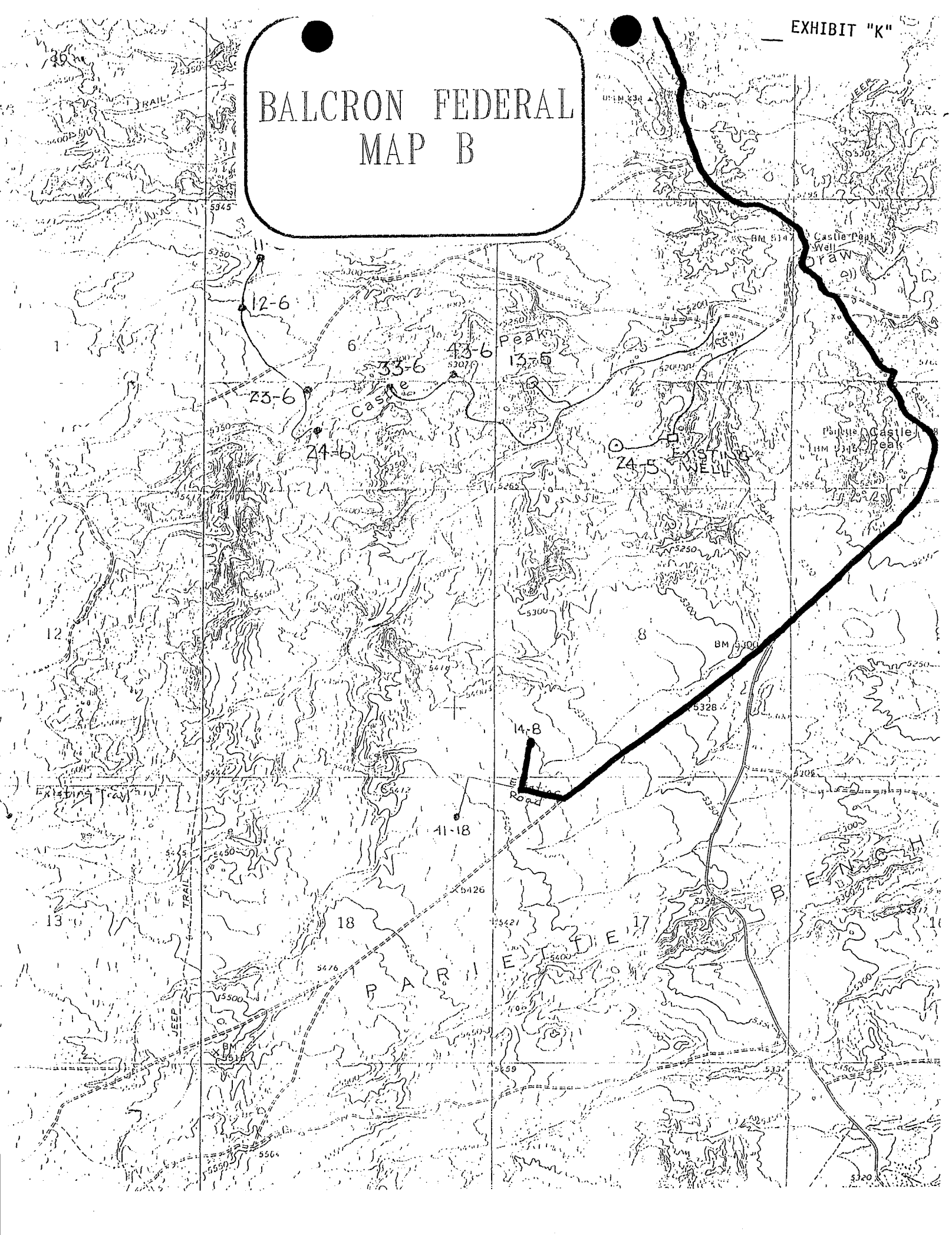


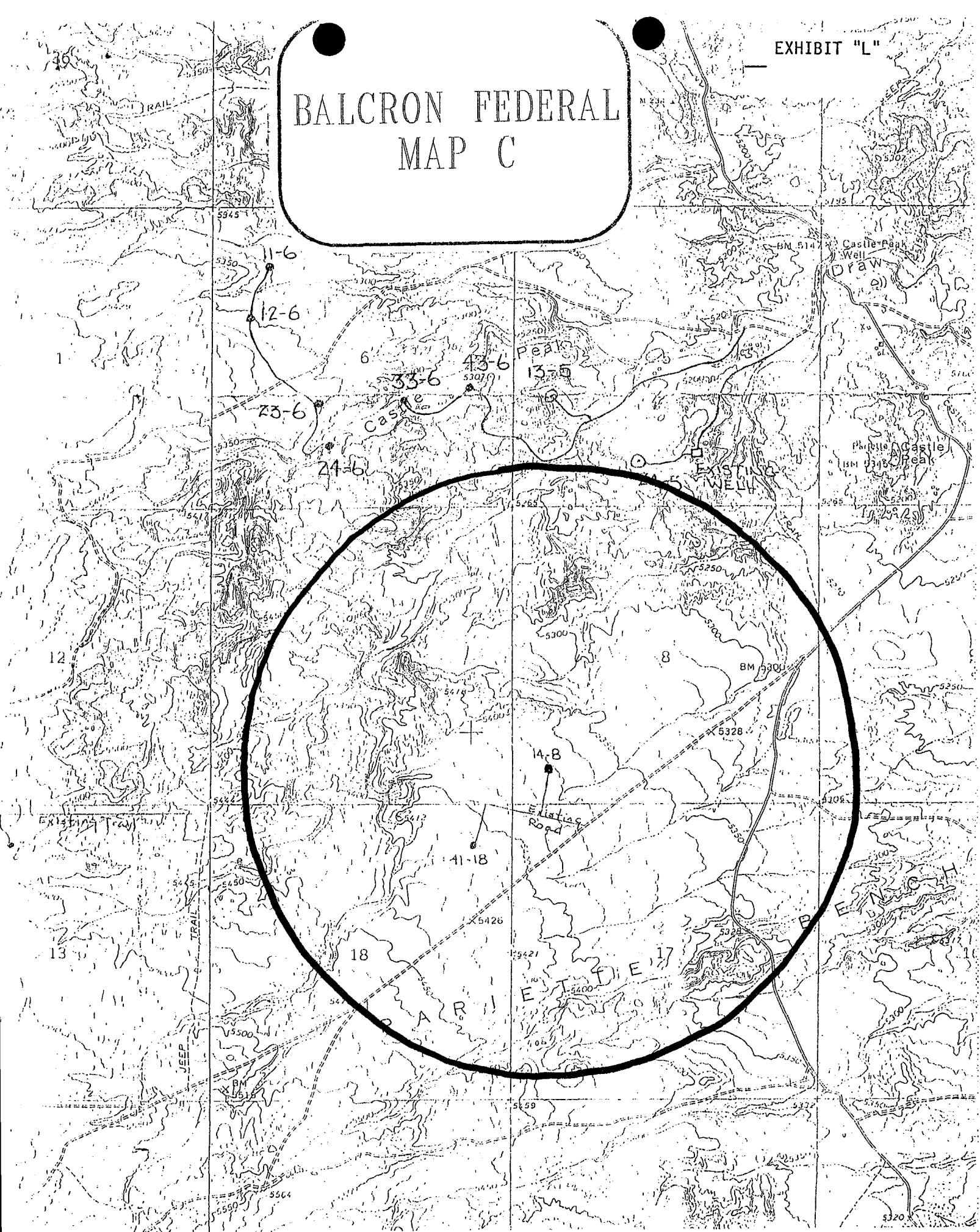
150

# BALCRON FEDERAL MAP A



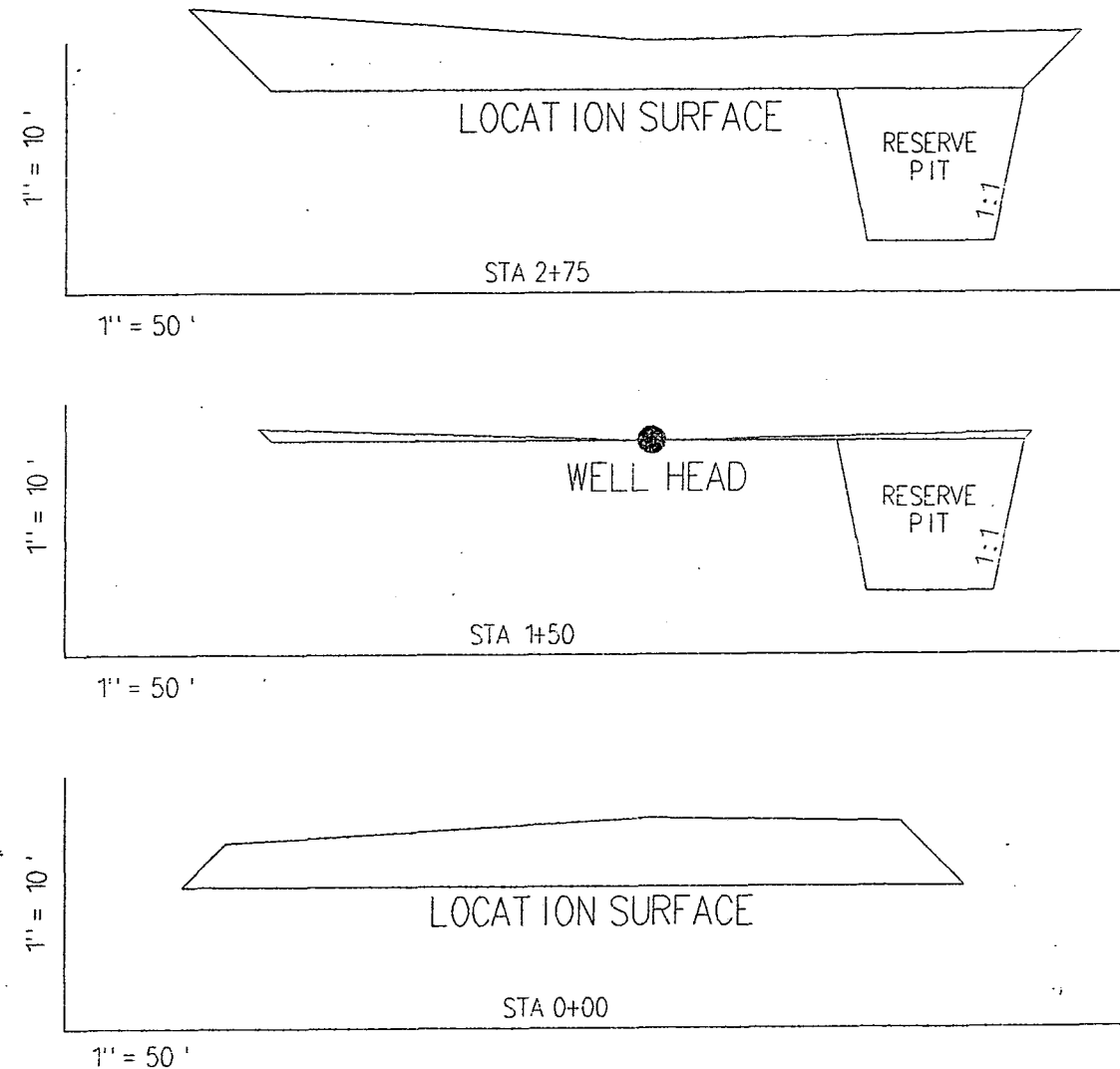
# BALCRON FEDERAL MAP B





# BALCRON FEDERAL

WELL LOCATION MONUMENT FEDERAL #14-8  
PLAT #1

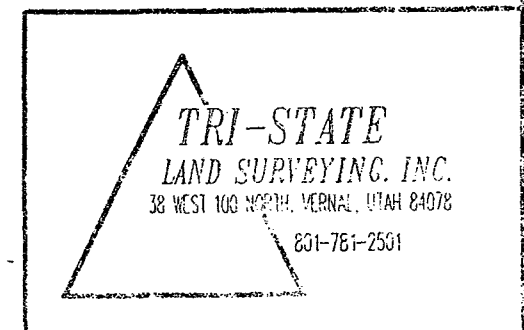
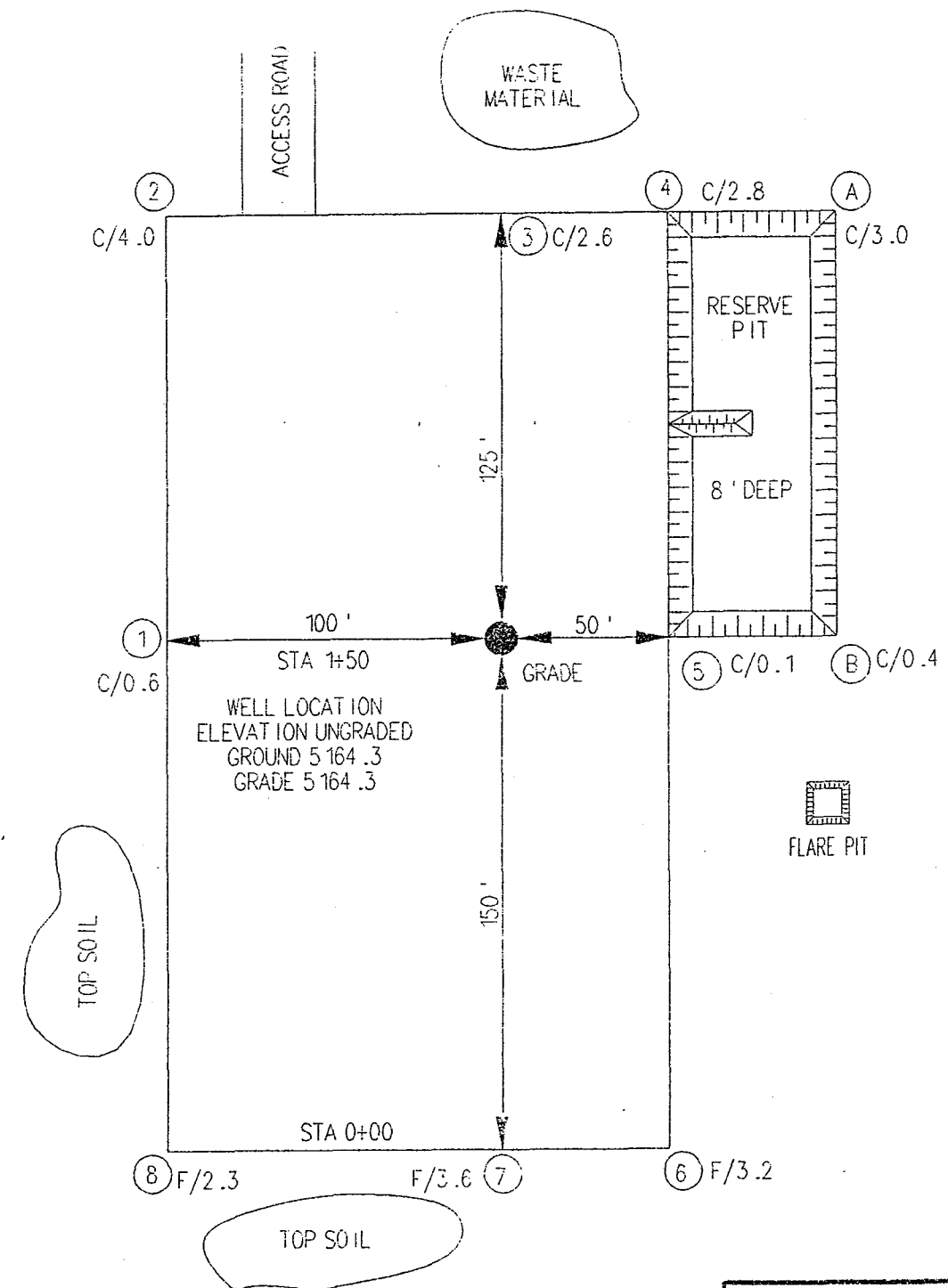
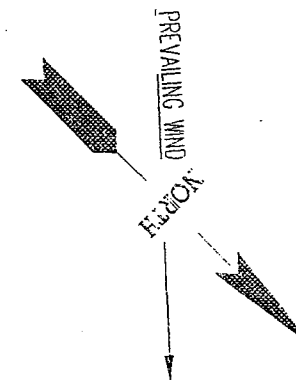


## REFERENCE POINTS

150' SE - 5406.8  
200' SE - 5406.3  
200' SW - 5410.3  
250' SW - 5411.5

## APPROXIMATE YARDAGE

CUT = 2,000 Cu Yds  
FILL = 1,216 Cu Yds  
PIT = 1,456 Cu Yds  
TOP SOIL = 830 Cu Yds



EQUITABLE RESOURCES ENERGY COMPANY,  
BALCRON OIL DIVISION

MONUMENT BUTTE DRILLING PROGRAM

=====

Balcron Federal #21-25Y

NE NW Section 25, T9S, R16E  
Duchesne County, Utah  
198.4' FNL, 2302.2' FWL  
FLS #U-64380  
PTD 5,650'  
GL 5684.9'

Balcron Federal #41-21Y

NE NE Section 21, T9S, R16E  
Duchesne County, Utah  
970.2' FNL, 893.8' FEL  
FLS #U-64379  
PTD 6,000'  
GL 5953.5'

Balcron Federal #24-3Y

SE SW Section 3, T9S, R17E  
Duchesne County, Utah  
561.8' FSL, 1887.2' FWL  
FLS #U-64381  
PTD 5,950'  
GL 5099.1'

Balcron Federal #21-9Y

NE NW Section 9, T9S, R16E  
Duchesne County, Utah  
476.2' FNL, 2051' FWL  
FLS #U-65207  
PTD 6,190'  
GL 5747.3'

Balcron Federal #21-13Y

NE NW Section 13, T9S, R16E  
Duchesne County, Utah  
702.7' FNL, 1830.5' FWL  
FLS #U-64805  
PTD 5,900'  
GL 5535.5'

Balcron Federal #22-10Y

SE NW Section 10, T9S, R17E  
Duschem County, Utah  
1980' FNL, 1980' FWL  
FLS #U-65210  
PTD 5,850'  
GL 5121.9'



EQUITABLE RESOURCES ENERGY COMPANY,  
BALCRON OIL DIVISION

MONUMENT BUTTE DRILLING PROGRAM

=====

Balcron Federal #44-14Y  
SE SE Section 14, T9S, R17E  
Duchesne County, Utah  
1008.2' FSL, 832.3' FEL  
FLS #U-64806  
PTD 5,700'  
GL 5164.3'

Balcron Monument Federal #14-8  
SW SW Section 8, T9S, R17E  
Duchesne County, Utah  
660' FSL, 660' FWL  
FLS #U-007978  
PTD 5,950'  
GL 5370.6'

Balcron Monument Federal #41-18  
NE NE Section 18, T9S, R17E  
Uintah County, Utah  
660' FNL, 660' FEL  
FLS #U-3563-A  
PTD 5,900'  
GL 5406.3'

5/17/93  
/rs

MONUMENT BUTTE DRILLING PROGRAM

---

Balcron Federal #21-25Y

NE NW Section 25, T9S, R16E  
Duchesne County, Utah  
198.4' FNL, 2302.2' FWL  
FLS #U-64380  
PTD 5,650'  
GL 5684.9'

Balcron Federal #41-21Y

NE NE Section 21, T9S, R16E  
Duchesne County, Utah  
970.2' FNL, 893.8' FEL  
FLS #U-64379  
PTD 6,000'  
GL 5953.5'

Balcron Federal #24-3Y

SE SW Section 3, T9S, R17E  
Duchesne County, Utah  
561.8' FSL, 1887.2' FWL  
FLS #U-64381  
PTD 5,950'  
GL 5099.1'

Balcron Federal #21-9Y

NE NW Section 9, T9S, R16E  
Duchesne County, Utah  
476.2' FNL, 2051' FWL  
FLS #U-65207  
PTD 6,190'  
GL 5747.3'

Balcron Federal #21-13Y

NE NW Section 13, T9S, R16E  
Duchesne County, Utah  
702.7' FNL, 1830.5' FWL  
FLS #U-64805  
PTD 5,900'  
GL 5535.5'

Balcron Federal #22-10Y

SE NW Section 10, T9S, R17E  
Duschemene County, Utah  
1980' FNL, 1980' FWL  
FLS #U-65210  
PTD 5,850'  
GL 5121.9'

MONUMENT BUTTE DRILLING PROGRAM

---

Balcron Federal #44-14Y  
SE SE Section 14, T9S, R17E  
Duchesne County, Utah  
1008.2' FSL, 832.3' FEL  
FLS #U-64806  
PTD 5,700'  
GL 5164.3'

Balcron Monument Federal #14-8  
SW SW Section 8, T9S, R17E  
Duchesne County, Utah  
660' FSL, 660' FWL  
FLS #U-007978  
PTD 5,950'  
GL 5370.6'

Balcron Monument Federal #41-18  
NE NE Section 18, T9S, R17E  
Uintah County, Utah  
660' FNL, 660' FEL  
FLS #U-3563-A  
PTD 5,900'  
GL 5406.3'

6/2/93  
/rs

# APPLICATION FOR PERMANENT CHANGE OF WATER

STATE OF UTAH

RECEIVED

APR 17 1987

Rec. by

Fee Paid \$

Receipt #

Microfilmed

Roll #

For the purpose of obtaining permission to make a permanent change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

\*WATER USER CLAIM NO. 43-9974 \*APPLICATION NO. a-14289

Changes are proposed in (check those applicable)

☐ point of diversion.

☐ point of return.

☒ place of use.

☒ nature of use.

## 1. OWNER INFORMATION

Name: Owen Dale Anderson

\*Interest: \_\_\_\_\_%

Address: Po Box 1162 Vernal UT 84078

## 2. \*PRIORITY OF CHANGE:

\*FILING DATE: \_\_\_\_\_

\*Is this change amendatory? (Yes/No): \_\_\_\_\_

## 3. RIGHT EVIDENCED BY:

43-3525

Prior Approved Change Applications for this right: 83-43-21 84-43-73 6-14099

\*\*\*\*\* HERETOFORE \*\*\*\*\*

4. QUANTITY OF WATER: 0.5 cfs and/or \_\_\_\_\_ ac-ft.

5. SOURCE: U.G.W. (well)

6. COUNTY: Duchesne

7. POINT(S) OF DIVERSION: South 1167 ft East 340 ft from N 1/4 Corner  
Section 27 T1S, R2W, USB + M

Description of Diverting Works: \_\_\_\_\_

## 8. POINT(S) OF REDIVERSION

The water will be rediverted from \_\_\_\_\_ at a point: \_\_\_\_\_

Description of Diverting Works: \_\_\_\_\_

## 9. POINT(S) OF RETURN

The amount of water consumed is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft.

The amount of water returned is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft.

The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

\*These items are to be completed by Division of Water Rights.

## 10. NATURE AND PERIOD OF USE

Stockwatering: From Jan 1 to Dec 31  
 Domestic: From \_\_\_\_\_ to \_\_\_\_\_  
 Municipal: From \_\_\_\_\_ to \_\_\_\_\_  
 Mining: From \_\_\_\_\_ to \_\_\_\_\_  
 Power: From \_\_\_\_\_ to \_\_\_\_\_  
 Other: From Jan 1 to Dec 31  
 Irrigation: From April 1 to Oct 31

## 11. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): 250 Livestock Units  
 Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons.  
 Municipal (name): \_\_\_\_\_  
 Mining: \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine.  
 Ores mined: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_  
 Power: Plant name: \_\_\_\_\_  
 Other (describe): drilling & completion of oil field location Fish Culture  
 Irrigation: 55.7 acres. Sole supply of \_\_\_\_\_ acres

## 12. PLACE OF USE

Legal description of areas of use other than irrigation by 40 acre tract: n/a

## 13. STORAGE

Reservoir Name: Unnamed Storage Period: from 11-1 to 3-31  
 Capacity: 4.0 ac-ft. Inundated Area: \_\_\_\_\_ acres  
 Height of dam: \_\_\_\_\_ feet  
 Legal description of inundated area by 40 tract: NW NE Sec 27, T15 R2W 25B & M

\*\*\*\*\* THE FOLLOWING CHANGES ARE PROPOSED \*\*\*\*\*

14. QUANTITY OF WATER: \_\_\_\_\_ cfs and/or 20.0 ac-ft  
 15. SOURCE: UGW Remaining Water: same  
 16. COUNTY: Duchesne  
 17. POINT(S) OF DIVERSION: same

Description of Diverting Works: \_\_\_\_\_

## 18. POINT(S) OF REDIVERSION

The water will be rediverted from \_\_\_\_\_ at a point: \_\_\_\_\_

Description of Diverting Works: \_\_\_\_\_

## 19. POINT(S) OF RETURN

The amount of water consumed is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft

The amount of water returned is \_\_\_\_\_ cfs or \_\_\_\_\_ ac-ft

The water will be returned to the natural stream/source at a point(s): \_\_\_\_\_

## 20. NATURE AND PERIOD OF USE

Stockwatering: From \_\_\_\_\_ to \_\_\_\_\_

Domestic: From \_\_\_\_\_ to \_\_\_\_\_

Municipal: From \_\_\_\_\_ to \_\_\_\_\_

Mining: From \_\_\_\_\_ to \_\_\_\_\_

Power: From \_\_\_\_\_ to \_\_\_\_\_

Other: From Jan 1 to Dec 31

Irrigation: From \_\_\_\_\_ to \_\_\_\_\_

## 21. PURPOSE AND EXTENT OF USE

Stockwatering (number and kind): \_\_\_\_\_

Domestic: \_\_\_\_\_ Families and/or \_\_\_\_\_ Persons

Municipal (name): \_\_\_\_\_ Mining District in the \_\_\_\_\_ Mine

Mining: \_\_\_\_\_

Ores mined: \_\_\_\_\_ Type: \_\_\_\_\_ Capacity: \_\_\_\_\_

Power Plant name: \_\_\_\_\_

Other (describe): drilling and completion of oil wells

Irrigation: \_\_\_\_\_ acres. Sole supply of \_\_\_\_\_

## 22. PLACE OF USE

Legal description of areas of use by 40 acre tract: \_\_\_\_\_

Other: hauled to locations by water trucks as needed

## 23. STORAGE

Reservoir Name: \_\_\_\_\_ Storage Period: from \_\_\_\_\_ to \_\_\_\_\_

Capacity: \_\_\_\_\_ ac-ft. Inundated Area: \_\_\_\_\_ acres

Height of dam: \_\_\_\_\_ feet

Legal description of inundated area by 40 tract: \_\_\_\_\_

## 24. EXPLANATORY

The following is set forth to define more clearly the full purpose of this application. Include any supplemental water rights used for the same purpose. (Use additional pages of same size if necessary):

Change is for oilfield drilling and exploration.

Approximately 4 acre ft/year will be taken from

irrigation purposes and used for oilfield purposes

Acres to be irrigated will change from 55.7 to 50 acres

\*\*\*\*\*

he undersigned hereby acknowledges that even though he/she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained herein, at the time of filing, rests with the applicant(s).

*Quinn Dale Anderson*  
Signature of Applicant(s)

6-2-93

TO: Bobbie  
FROM: Dave Mc  
RE: Cement Information

Thrifty Lite Cement Composition:

Class "G" cement with;

4.0% Thrifty Lite \*  
3.0 Lbs/Sk CSE \*  
3.0% salt  
0.25 Lbs/Sk Cello Flakes  
200% Water

\* See Attached product Description

Thrifty Lite Cement Properties:

Slurry Weight:	11.02 Lbs/Gal.
Slurry Yield:	3.58 Cu. Ft./Sk
Mix Water:	22.56 Gal/Sk
Est. Pump Time:	4.0 Hrs
Free Water:	0.0 CC





DV040145

## PRODUCT DESCRIPTIONS

### **CELLO-SEAL**

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

### **CSE**

Compressive Strength Enhancer - Fumed Silica. An additive which contributes to low density, high compressive strength development of cement slurries at all temperature ranges. This material also controls free water without the need for standard extenders.

### **CLASS G CEMENT (API) [Premium Cement]**

Intended for use as a basic cement from surface to 8000 Ft. as manufactured, or can be used with accelerators and retarders to cover a wide range of well depths and temperatures.

### **SODIUM CHLORIDE (NaCl)**

Commonly called salt, is used to reduce damage caused by cement filtrate and to promote better bonding. At low concentration, less than 10% by weight of mixing water, it acts as an accelerator, while at concentrations greater than 15-18%, it will retard thickening time and strength development.

### **THRIFTY LITE**

Anhydrous sodium metasilicate compound used as an extender for cement slurries. Thrifty Lite yields a very economical filler slurry on a cost per cu. ft. of slurry basis and is a mild accelerator that will cause the slurry to set at low temperatures.

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

DATE RECEIVED: 05/20/93

OPERATOR: EQUITABLE RESOURCES

OPERATOR ACCT NO: N- 9890

WELL NAME: BALCRON MONUMENT FEDERAL 14-8

API NO. ASSIGNED:

43-013-31398

LEASE TYPE: FED

LEASE NO:

J-007978

LOCATION: SWSW 08 - T09S - R17E

DUCHESNE COUNTY

FIELD: MONUMENT BUTTE (105)

FIELD CODE:

105

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond

(Number

federal)

☒ Potash (Y/N)

☒ Oil shale (Y/N)

☒ Water permit

(Number

43-99740-14089)

☒ RDCC Review (Y/N)

(Date:

LOCATION AND SITING:

☐ R649-2-3. Unit:

☒ R649-3-2. General.

☐ R649-3-3. Exception.

☐ Drilling Unit.

Board Cause no:

Date:

COMMENTS:

Nine additional producing wells within Sec 8.

CONFIDENTIAL

PERIOD

EXPIRED

ON 1-14-95

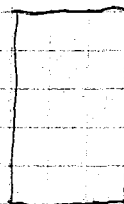
STIPULATIONS:

cc: Duchesne county assessor.

North

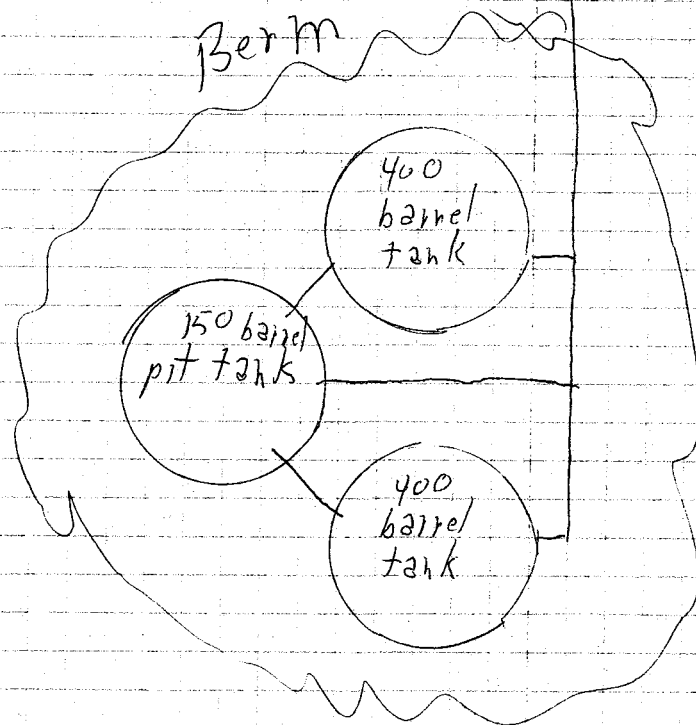
Surface  
top soil

Pump jack



well head

Berm



Access



EQUITABLE RESOURCES  
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

RECEIVED

JUN 6 4 1993

DIVISION OF  
OIL GAS & MINING

June 2, 1993

-- VIA FEDERAL EXPRESS --

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

As requested, enclosed is a copy of the State Water Use Authorization (Water User Claim No. 43-9974) which is the water source we propose to use for drilling the wells on the enclosed list. Also enclosed as requested is an explanation of the composition of the thrifty lite cement including water, all additives, and stating its yield.

Am I correct in assuming that the 30-day posting period began as of the date the Notice of Staking was received by your office (May 3 according to the date agreed upon at the onsite inspections held May 5-6) as required and stated by 43 CFR 3162.3-1(g) rather than the May 20 date the APD was received by your office? If my interpretation of 43 CFR 3162.3-1(g) is incorrect, I would appreciate a call to discuss this.

If you need further information or have any questions, please call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Coordinator of Operations,  
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

June 21, 1993

Equitable Resources Energy Company  
P.O. Box 21017  
Billings, Montana 59104

Gentlemen:

Re: Balcron Monument Federal #14-8 Well, 660' FSL, 660' FWL, SW SW, Sec. 8,  
T. 9 S, R. 17 E, Duchesne County, Utah

Pursuant to Utah Admin. R. 649-3-2, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
6. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.



Page 2  
Equitable Resources Energy Company  
Balcron Monument Federal #14-8 Well  
June 21, 1993

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31398.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.J. Firth', is written over a faint, rectangular stamp.

R.J. Firth  
Associate Director, Oil and Gas

ldc  
Enclosures  
cc: Bureau of Land Management  
Duchesne County Assessor  
J.L. Thompson  
WO11

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104 (Balcron Monument Butte/Green River)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

SW SW Section 8, T9S, R17E 660' FSL, 660' FWL  
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 13 miles SW of Myton, Utah

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE\*

NO. OF ACRES ASSIGNED  
TO THIS WELL

19. PROPOSED DEPTH

5,900' 5,950'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5370.6'

22. APPROX. DATE WORK WILL START\*

June 1, 1993

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached for details.				

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM  
"B" PROPOSED SURFACE USE PROGRAM  
"C" GEOLOGIC PROGNOSIS  
"D" DRILLING PROGRAM/CASING DESIGN  
"E" EVIDENCE OF BOND COVERAGE  
"F" ARCHEOLOGY REPORT  
"G" SURVEY PLAT

"H" BOPE SCHEMATIC  
"I" RIG LAYOUT  
"J" EXISTING ROADS (Map A)  
"K" PLANNED ACCESS (Map B)  
"L" EXISTING WELLS (Map C)  
"M" CUT & FILL DIAGRAM

RECEIVED

MAY 20 1993

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Robbie Schuman  
Robbie Schuman

TITLE

Coordinator of Environmental  
and Regulatory Affairs

DATE

May 17, 1993

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

ASSISTANT DISTRICT  
MANAGER MINERALS

DATE

JUN 30 1993

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

U4080-3M-047

CONDITIONS OF APPROVAL  
FOR APPLICATION FOR PERMIT TO DRILL

Company/Operator: Balcron

API Number \_\_\_\_\_

Well Name & Number: 14-8

Lease Number: U-007978

Location: SWSW Sec. 8 T. 9 S. R. 17 E.

Surface Ownership: Federal

Date NOS Received May, 3, 1993

Date APD Received May 20, 1993

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.



CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Equitable Resources Energy Company Well No. Monument Federal 14-8  
Location SWSW Section 8, T9S, R17E Lease No. U - 7978

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. As per Equitable Resources Energy Company, a double ram BOP stack will be used instead of the annular preventer as identified in the BOP diagram. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

#### 6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

## 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka	(801) 781-1190
Petroleum Engineer	

Ed Forsman	(801) 789-7077
Petroleum Engineer	

BLM FAX Machine	(801) 789-3634
-----------------	----------------

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

### Surface Plan of Operations

"If a plastic nylon reinforced liner is used, it will be a minimum of 12 mil thickness with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O."

Salt Desert Shrub - Fall seeding is preferred and will be done after September 15 and before ground freezes. Spring seeding will be done prior to April 15.

The requested emergency pit is hereby approved under NTL-2B, Section VI, subject to the following Conditions of Approval:

1. If emergency use occurs, the emergency pit shall be emptied and the liquids disposed of in accordance with applicable State and/or Federal regulations within 48 hours following its use, unless such time is extended by the authorized officer.
2. As much as practicable, the emergency pit shall be located on level ground and away from drainage patterns and unstable ground.
3. The emergency pit shall be fenced and the fence maintained for safety, and to prevent livestock and wildlife entry. The pit shall be fenced according to the same minimum standards listed for the drilling reserve pit under Point 9E of the Multi-point Surface Use and Operation Plan. The fence shall be maintained in a taut condition. Fences shall not be built on berms.
4. Produced water drain lines shall not go to the emergency pit.
5. The pit shall be bermed or otherwise constructed and maintained to prevent entrance of surface water.
6. Turn downs shall be put on the ends of pipes to direct fluids downward instead of against the wall of the pit.
7. The pit shall be kept free of trash.

If historic, archaeological, or paleontological resources are uncovered during ground disturbing activities, Balcron will suspend all operations that would further disturb such materials and immediately contact the BLM Authorized Officer.

For the protection of Mountain Plover nesting and the rearing of their young, drilling activities will not be allowed between March 15 and July 15.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: EQUITABLE RESOURCES

WELL NAME: BALCRON MONUMENT FEDERAL 14-8

API NO. 43-013-31398

Section 8 Township 9S Range 17E County DUCHESNE

Drilling Contractor

Rig #

SPUDDED: Date 9/29/93

Time 10:30 AM

How DRY HOLE

Drilling will commence

Reported by BILL FROMAN

Telephone # 1-823-6759

Date 10-1-93 SIGNED JLT



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW SW Section 8, T9S, R17E  
660' FSL, 660' FWL

5. Lease Designation and Serial No.

U-007978

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcorn Monument Fed. #14-8

9. API Well No.

43-013-31398

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other drilling contractor  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We will be using Molen Drilling on this well. See attached.

CONFIDENTIAL  
RECEIVED

SEP 30 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman  
Bobbie Schuman

Title

Coordinator of Environmental  
and Regulatory Affairs

Date

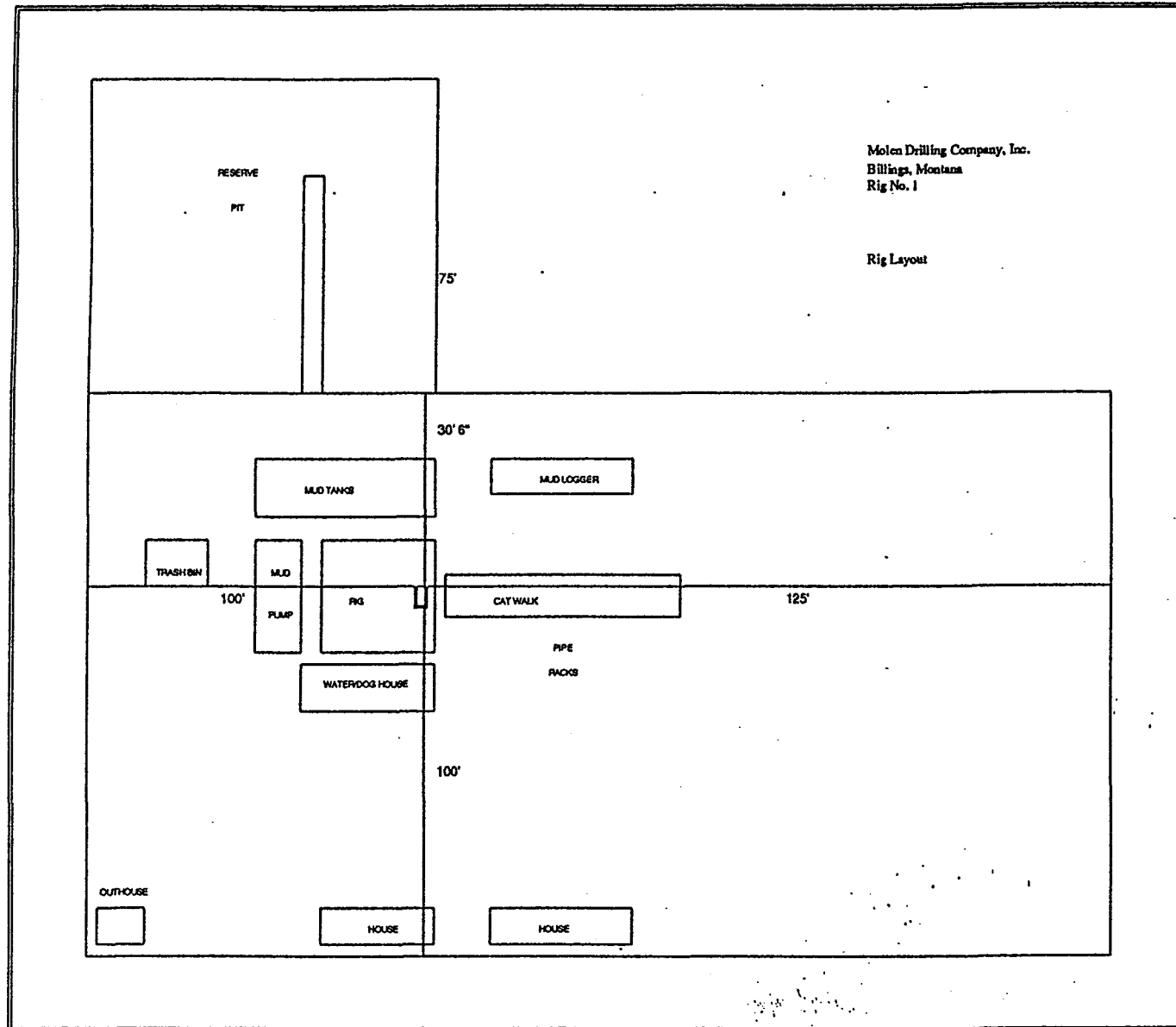
9-28-93

Approved by

Conditions of approval, if any:

Title

Date



**RECEIVED**

SEP 30 1993

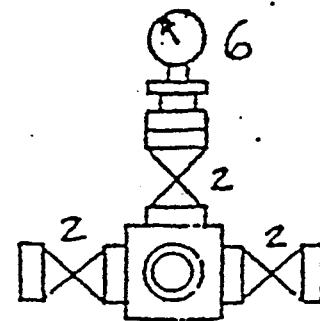
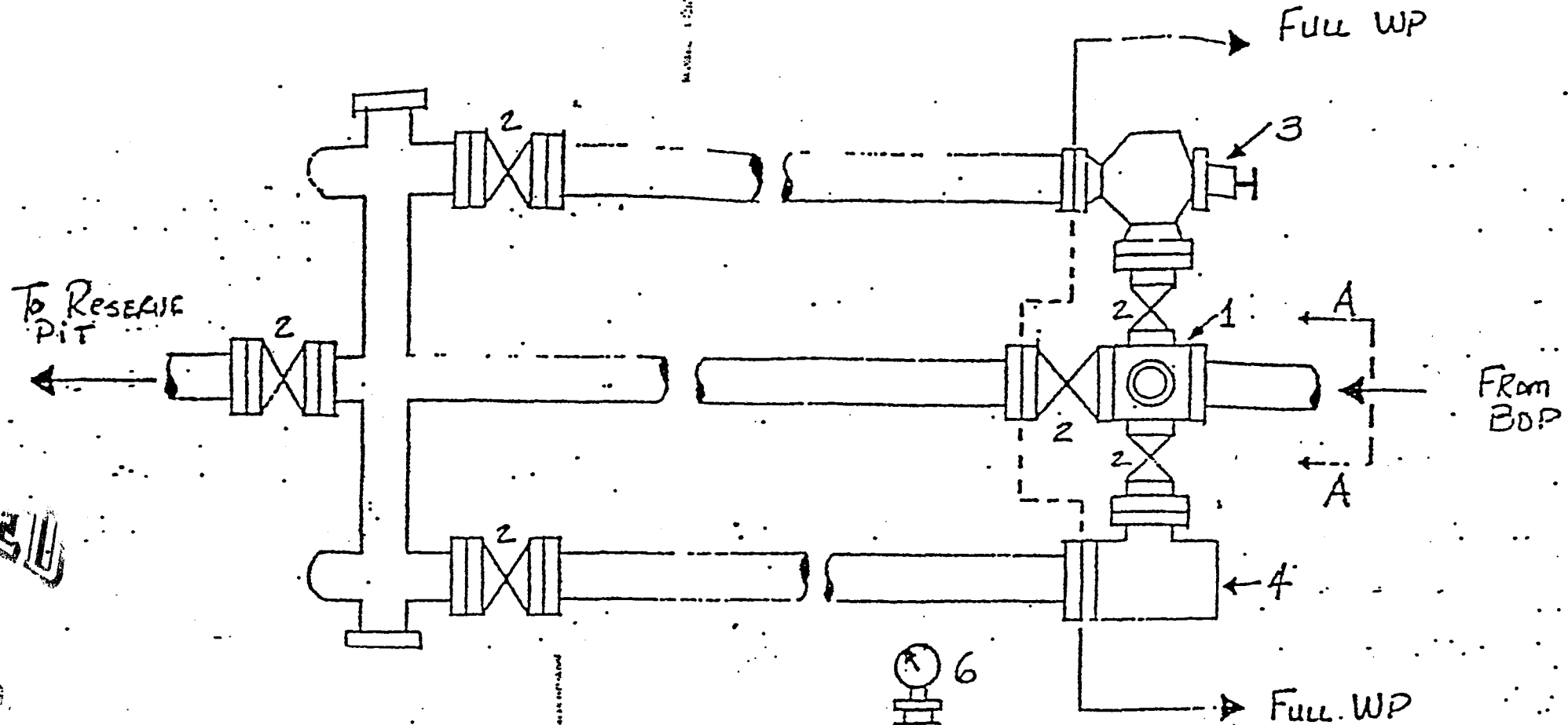
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OIL, GAS & MINING

EXHIBIT "H"

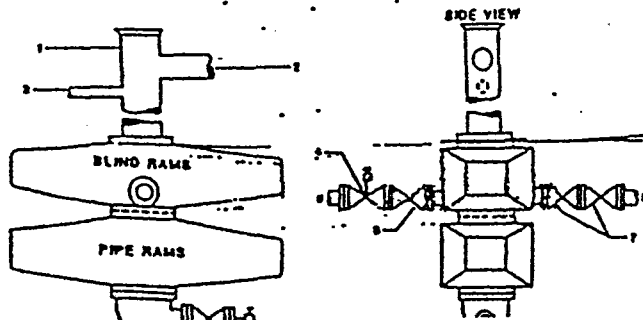
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VIEW A-A



1. Cross
2. Gate Valve
3. Adjustable Choke
4. Positive Choke
5. Welded Bull Plug, Lead Filled
6. 2" - 3000-psi mud pressure gauge

Notes: All lines must be securely anchored.

STATE OF UTAH  
VISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Company,  
Balcron Oil Division  
ADDRESS P.O. Box 21017  
Billings, MT 59104

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11529	43-013-31398	Balcron Monument Federal #14-8	SW SW	8	9S	17E	Duchesne	9-29-93	9-29-93

WELL 1 COMMENTS:

Spud of new well.

*Entity added 10-14-93. See*

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

*Bobbie Schuman*  
Signature Bobbie Schuman  
Coordinator of Environmental and  
Regulatory Affairs 9-30-93  
Title \_\_\_\_\_ Date \_\_\_\_\_

Phone No. (406) 259-7860

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW SW Section 8, T9S, R17E

660' FSL, 660' FWL

5. Lease Designation and Serial No.

U-007978

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #14-8

9. API Well No.

43-013-31398

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Report of Spud.  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well was spud at 10:30 a.m. on 9-29-93 with a dry-hole spudder (Leon Ross).

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Coordinator of Environmental  
and Regulatory Affairs

Date September 30, 1993

(This space for Federal or State Office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

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660' FSL, 660' FWL

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U-007978

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n/a

7. If Unit or CA, Agreement Designation

n/a

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Balcron Monument Fed. #14-8

9. API Well No.

43-013-31398

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☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Change in rig.

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator will be using a completion rig to complete this well.

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DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Coordinator of Environmental  
and Regulatory Affairs

Signed Bobbie Schuman

Title

Date 11-2-93

(This space for Federal or State Office use)

Approved by

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Date

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

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P.O. Box 21017; Billings, MT 59104 (406) 259-7860

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U-007978

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n/a

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n/a

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Balcorn Monument Fed. #14-8

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43-013-31398

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Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

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☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Proposed Production Facility  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is the Proposed Production Facilities Diagram for this well.

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RECEIVED

NOV 12 1993

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman  
(This space for Federal or State office use)

Coordinator of Environmental  
and Regulatory Affairs

Title

Date 11-9-93

Approved by

Conditions of approval, if any:

Title

Date

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\*See Instruction on Reverse Side

# Equitable Resources Energy Company Balcron Monument Federal 14-8 Proposed Production Facility Diagram

Balcron Monument Federal 14-8  
SW SW Sec. 8, T9S, R17E  
Duchesne County, Utah  
Federal Lease #U-007978  
660' FSL, 660' FWL

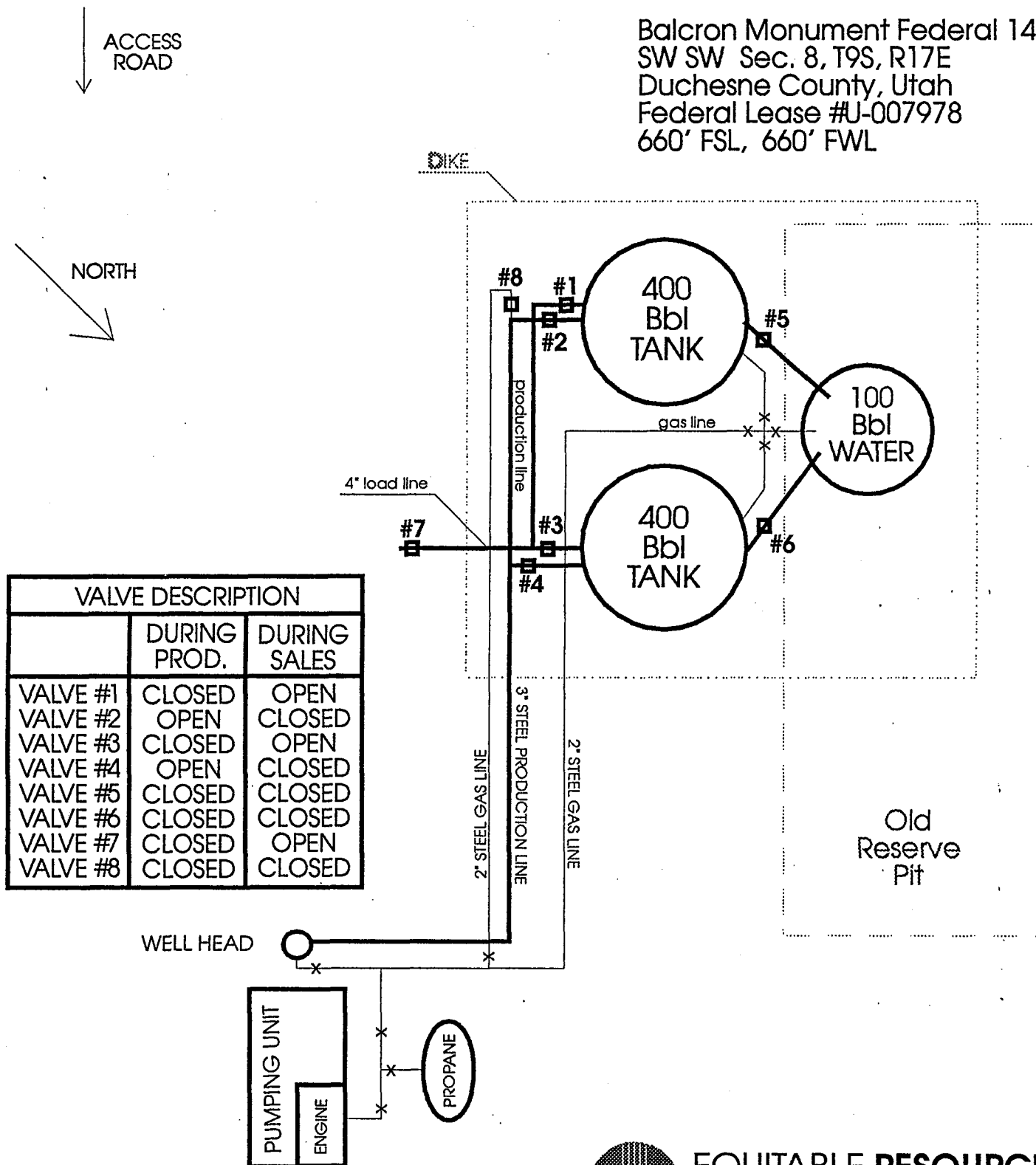


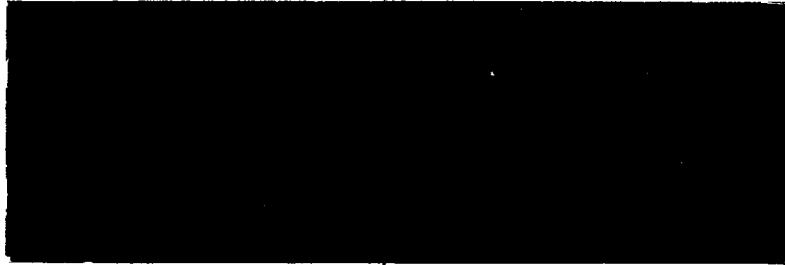
DIAGRAM NOT TO SCALE




**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860





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 Discovery  
Energy Inc.

 Discovery  
Energy Inc.

 Discovery  
Energy Inc.

 Discovery  
Energy Inc.

 **Discovery  
Energy Inc.**

**GEOLOGIC AND DRILLING REPORT**  
**43-013-31398**  
**BALCRON OIL**  
**MONUMENT BUTTE FEDERAL NO. 14-8**  
**SWSW Section 8-T9S-R17E**  
**DUCHESNE COUNTY, UTAH**

**BALCRON OIL**  
**P.O. BOX 21017**  
**Billings, Montana 59104**

# *Table of Contents*

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## **MONUMENT BUTTE FEDERAL NO. 14-8**

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Formation Data-----	7
Sample Description-----	8
Strip Log-----	Pocket

Prepared by:

M.K. Jones  
P.O. Box 21194  
Billings, MT 59104  
(406) 652-4505

# Well Summary

OPERATOR: Balcron Oil  
LEASE AND WELL NAME: Monument Butte Federal No.14-8  
LOCATION: SWSW (660' fs; 660' fw), Section 8-T9S-R17E  
Duchesne County, Utah  
ELEVATION: 5370 Ground, 5383 K.B.  
SPUD DATE: 10:30 AM, September 29, 1993  
COMPLETION DATE: Ran 5 1/2" Casing November 2, 1993  
CASING POINT, DATE: November 1, 1993  
TOTAL DEPTH: 5650' Driller Depth, 5656' Logger Depth  
WELL STATUS: Awaiting Completion as Oil Well  
DRILLING CONTRACTOR: Molen Drilling Co., Inc.  
RIG NO.: One  
HOLE SIZE: Surface; 12 1/4" to 275'  
Main Hole; 7 7/8" to Total Depth  
SURFACE CASING: 6 Jts 8 5/8", 24# J-55 @ 283 K.B.;  
Cmt w/150sx "G" + 2% CaCl, 1/4#/sk D-29;  
Fresh Water + 1.5% KCL and Poymer as needed  
MUD PROGRAM: Schlumberger DLL-MSFL; LDT-CNL-GR-Cal  
LOGS: None  
CORES: None  
DRILL STEM TESTS: Good  
SAMPLE QUALITY: Utah Geological Sample Library  
SAMPLE DISPOSITION: 5 1/2", 15.5# @ Total Depth  
PRODUCTION CASING:

DRILLING EQUIPMENT:  
RIG: Draw Works Emsco GB 250 T  
Mast Make LCM Height 104'  
Power Twin 671N, GMC Diesels

BLOW OUT PREVENTER:  
Make Schaeffer, Model 10" - 900  
Type Hydraulic Dbl Ram  
Drill Pipe Size 4 1/2" Thread XH 16.6#  
Drill Collars: NO.18, Length 530.38'  
Thread XH, ID 2 1/2", OD 6"

PUMP: NO. 1 Make EMSCO, Model D-375,  
Stroke Length 14"  
Liner ID 6"  
Power Twin 671N GMC Diesels

# Penetration Record

## DAILY DEPTH AT 6:00 A.M.

### Monument Butte Federal 14-8

PENETRATION			TIME DISTRIBUTION				REMARKS
DATE	DEPTH	FOOTAGE	DRILLING	REPAIRS	OTHER	DAY WORK	
9/29/93	-	-	-	-	-	-	Spud 12 1/4" @ 10:30 AM
9/30/93	30	30	4	-	-	-	Run 16" Cond @ 30
10/1/93	275	245	12	-	-	-	Run & Cmt 8 5/8" Csg
10/23/93	275	-	-	-	-	-	Move on Molen No. 1
10/24/93	650	375	9 3/4	-	14 1/4	-	-
10/25/93	1797	1147	23	1/2	1	-	-
10/26/93	2608	811	18	-	6	-	Trip f/Hole in D/P
10/27/93	3234	626	23 1/4	-	3/4	-	-
10/28/93	3703	469	17 1/2	-	6 1/2	-	Change Out D/P, Bit
10/29/93	4292	589	23 1/2	-	1/2	-	-
10/30/93	4831	539	23 1/4	-	3/4	-	-
10/31/93	5474	643	21 1/4	-	3/4	-	-
11/01/93	5950	476	20	-	4	3 1/2	Cond f/Logs
11/02/93	5950	-	-	-	-	24	Logging; Lay Down D/P
11/03/93	5950	-	-	-	1 1/2	1 1/2	Run & Cmt 5 1/2" Csg
							Rig Down
							Rig Release @ 7:30 AM

## TIME DISTRIBUTION SUMMARY

Rotating Hours----- 182 1/2 Hours  
 Days on Location----- 10 Days  
 Rig Repair----- 1/2 Hour  
 Day Work----- 29 Hours

# Mud Check



## Monument Butte Federal No. 14-8

<u>DATE</u>	<u>DEPTH</u>	<u>WT.</u>	<u>VIS.</u>	<u>PH</u>	<u>WL</u>	<u>CAKE</u>	<u>SALT</u>	<u>KCI %</u>
10/24/93	650	8.4	26	10.5	-	-	10,000	1%
10/25/93	1797	8.4	26	11.0	-	-	10,500	1.2%
10/26/93	2608	8.4	26	10.5	-	-	10,000	1.2%
10/27/93	2234	8.4	26	11.0	-	-	10,500	1.4%
10/28/93	3703	8.3	27	11.0	-	-	11,000	1.2%
10/29/93	4292	8.4	26	10.5	-	-	10,500	1.3%
10/30/93	4831	8.3	26	11.0	-	-	10,500	1.5%
10/31/93	5474	8.4	26	11.0	-	-	11,000	1.6%
11/1/93	5950	8.3	26	11.0	-	-	11,000	1.8%

## Mud Additives

KCI----- 325 sx

DrilAid Polymer----- 10 cans

# *Bit Record*

## Monument Butte Federal No. 14-8

<u>NO.</u>	<u>SIZE</u>	<u>MAKE</u>	<u>TYPE</u>	<u>JETS</u>	<u>OUT</u>	<u>FEET</u>	<u>HRS.</u>	<u>WEIGHT</u>	<u>RPM</u>	<u>SPM</u>	<u>PRESS</u>	<u>DEV</u>
1	7 7/8"	HTC	ATJ-44	15/32	3435	3152	81	20-30	75	53	650	1°
2	7 7/8"	STC	F-4H	15/32	5950	2515	102	40	75	53	700	1 3/4°

## Deviation Record

<u>DEPTH</u>	<u>ANGLE</u>	<u>DEPTH</u>	<u>ANGLE</u>
274	1/16°	3435	1°
811	3/4°	3959	1 1/2°
1303	3/4°	4521	1 3/4°
2102	1°	5044	1 3/4°
2622	1 3/4°	5564	1 3/4°
3113	1°		

# Show Report

## Monument Butte Federal 14-8

No.	Depth From-To	Drill Rate, Min/ft			Total Gas			Chromatograph			
		Before	During	After	Before	Peak	After	C1	C2	C3	C4
1	2640-2655	2.8	2.6	2.4	300	960	250	9.5	0.8	0.2	Tr
2	2760-2800	2.4	1.0	1.8	800	1800	300	15.2	0.5	0.2	0.1
3	2920-2960	2.2	1.0	2.2	150	1300	250	12.2	0.48	0.24	0.04
4	3130-3155	3.0	1.4	2.8	300	1400	450	12.0	1.2	0.9	0.4
5	3872-3886	2.5	2.5	2.5	140	1080	140	10.0	0.4	0.4	0.12
6	3898-3902	2.0	2.5	2.0	120	600	120	4.6	0.4	0.38	0.12
B-7	4012-4034	2.0	2.0	2.5	180	580	120	4.8	0.56	0.48	0.12
A-8	4040-4054	2.0	1.5	2.5	120	1600	200	14.0	1.6	1.4	0.68
A-9	4094-4108	2.0	1.5	2.0	120	1300	450	10.8	1.2	0.24	-
B-10	4300-4312	2.5	2.0	3.0	160	1000	240	6.8	0.52	0.50	0.28
C-11	4416-4420	2.5	1.5	2.0	100	950	150	8.8	0.8	0.64	0.1
12	4540-4546	2.0	2.5	2.0	100	900	140	8.0	0.56	0.48	0.24
13	4572-4576	2.0	1.0	2.0	100	2000	200	180	3.2	2.21	1.2
A-14	4624-4640	2.5	1.0	3.0	200	1400	500	11.2	3.8	2.4	0.8
15	4900-4928	2.0	1.0	2.0	100	550	100	3.6	0.36	0.32	0.12
C-16	5046-5048	2.5	2.5	1.5	60	1000	60	8.1	0.96	0.8	0.12
17	5090-5106	2.5	1.5	2.5	60	600	60	4.0	0.48	0.32	0.24
B-18	5158-5162	2.5	2.5	2.5	120	440	160	4.0	0.5	0.4	0.12
19	5234-5264	2.0	0.6	2.0	280	1200	300	11.8	1.2	0.7	0.2
20	5292-5320	3.5	0.5	3.0	200	1000	480	8.0	0.8	0.7	0.1
A-21	5430-5446	2.5	1.0	2.5	200	1430	500	12.8	1.7	1.2	0.6
22	5480-5488	2.5	1.0	2.5	150	790	150	7.1	0.8	0.6	0.1
B-23	5608-5612	2.5	3.0	2.0	80	950	80	7.6	1.2	1.0	0.6
B-24	5740-5746	2.5	1.5	2.5	80	1040	80	8.6	1.6	0.9	0.4

### Remarks

1. Marl - lt brn, petrol, dull gldn fluor, strng strmr ct when dry, Tr Oil on pits
2. Oil Shale - dk brn, fsl, petrol, bldg gas, dull gldn fluor, strmg ct
3. Oil Shale - dk brn, fsl, petrol, bldg gas, dull gld fluor, strmg ct
4. Oil Shale - Lt brn - bf, slt - lmy, gld fluor, strmg ct whn dry
5. Ls - tn, crm, chlky, yello-gld fluor, milky cut
6. SS - lt brn, vfg, slty, rnd - sb ang, fri, tite, light brown stain, dull yellow fluor, fast strmg ct, brown oil on pits
- B-7. SS - tn, lt gy, vfg, slty, ang, fri, calc, tite to poor por, lt brn oil stn, yell gld fluor, fst strng strmr ct
- A-8. SS - tn, brn, vfg, slty, ang, calc, fri, tite to pr por, brn oil stn, ptchy strng yell-gld fluor, inst strng strmr ct
- A-9. SS - clr, lt gy, brn, vf-fg, slty, ang, calc, fri, tite to pr por, brn portion has oil stn, gld fluor, strong instant strmr ct, tr oil on pits
- B-10. SS - clr, lt gy, vf-fg, sb-ang, fri, calc, pr por, lt blue fluor, strmg ct whn dry
- C-11. Ls - tn, frag, ostracodal, dk brn oil stain, yellow gold fluor, instant strng strmr ct



- 12. Oil Shale - dk brn, black, fsl, carb, petrol, flash cut
- 13. Ls - crm, chiky, brn oil stain, yellow fluorescence, strmg ct (fracture)
- A-14. SS - brn, vfg, slty, sb ang, fri, brn oil saturation, yell fluor, strong instant streaming cut. Tr light oil on pits
- 15. Oil Sh - dk brn, lmy, strmg ct
- C-16. SS - lt brn, vfg, slty, fri, pr por, brn oil stn, gold fluor, inst strng strmr ct
- 17. Oil Sh - dk brn, blk, fst strmg ct
- B-18. SS - lt brn, vfg, fri, pr por, brn oil sat, brt yell fluor, inst strng strmg ct
- 19. Oil Sh - blk, lmy, fsl, mlky ct dry
- 20. Oil Sh - brn, blk, grty, lmy, petrol, milky cut
- A-21. SS - lt brn, vfg, calc, fri, brn oil stn, yell-blue fluor, inst strng strmr ct, some oil on pits
- 22. SS - wh, clr, vf-mg, sb ang, fri, pr por, no visible show
- B-23. SS - lt gy, fg, sb rnd, fri, pr por, yel-blu fluor, slow fnt ct
- B-24. SS - mstly lse gns, f-mg, sb rnd-sb and, lt brn stn, yell blu fluor, fast strng, strmg ct

**NOTE: \*A,B,C,D - DENOTES RELATIVE STRENGTH OF SHOW**

# Formation Data



## Monument Butte Federal 14-8

### Sample Tops

<u>ELEVATIONS</u>	<u>5370 GL</u>	<u>5383 K.B.</u>		<u>STRUCTURAL</u>
<u>FORMATION</u>	<u>DEPTH</u>	<u>ELEVATION</u>	<u>THICKNESS</u>	<u>RELATIONSHIP</u>
				<u>HIGH/LOW</u>
<u>TERTIARY</u>				
Uintah	Surface	+5371	1447	21' High
Green River Fm.	1460	+3923	685	9' High
Horseshoe Bench	2145	+3238	1622	27' High
2nd Garden Gulch	3767	+1616	240	11' High
Yellow 2 Sandstone	4007	+1376	63	28' High
Yellow 3 Sandstone	4070	+1313	313	30' High
Yellow Marker	4383	+1000	162	11' High
Douglas Creek	4545	+838	82	13' High
Red 3 Sandstone	4627	+756	102	17' High
Red 5 Sandstone	4729	+654	54	6' High
2nd Douglas Creek	4783	+600	140	9' High
Green Marker	4923	+460	470	8' High
Wasatch Tongue	5393	-10	40	14' High
Blue 1 Sandstone	5433	-50	50	2' High
Blue 3 Sandstone	5483	-100	327	17' High
Uteland Butte Ls	5810	-427	146+	10' High

**TOTAL DEPTH**                      **5956'**

**REFERENCE WELL :**

Diamond Shamrock Corporation  
Paiute Federal No. 24-8  
(1320' East)

# Sample Description

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Balcron Oil  
Monument Butte Federal No. 14-8  
SWSW Section 8-T9S-R17E  
Duchesne County, Utah

Samples begin at 1500' in Green River Formation. Samples caught from Shale Shaker, lagged, 50 foot sample intervals. Sample quality good.

## LOG TOP, GREEN RIVER FM. 1460' (+3923')

1500 - 1550	Marl - tan, light brown, <u>petroliferous</u> , " <u>Oil Shale</u> ", <u>faint golden fluorescence</u> , <u>milky cut when dry</u> .
1550 - 1600	No change.
1600 - 1650	No change.
1650 - 1700	Marl - tan, brown, <u>petroliferous</u> , " <u>Oil Shale</u> ", <u>faint golden fluorescence</u> , <u>milky cut when dried</u> .
1700 - 1750	No change.
1750 - 1800	No change.
1800 - 1850	Marl - as above; Some Limestone - buff, chalky micritic.
1850 - 1950	No change.
1950 - 2000	Marl - brown, <u>petroliferous</u> , " <u>Oil Shale</u> ", <u>faint golden fluorescence</u> , <u>milky cut when dried</u> .
2000 - 2050	Limestone - light brown, micritic, argillaceous, <u>slightly petroliferous</u> .

- 2050 - 2100 No change.
- 2100 - 2150 Shale - light gray, fissile to lumpy, hard, calcareous, silty to sandy in part; Clay - light gray; Marl - as above.

**LOG TOP, HORSESHOE BENCH 2145' (3238')**

- 2150 - 2200 Sandstone - light gray, tan, very fine grained, silty, angular, calcareous, tight, spotty tan oil stain in some fragments, no fluorescence, slow milky cut; Marl - tan, brown, petroliferous, faint golden fluorescence, weak streamer cut when dry.
- 2200 - 2250 Marl - brown, tan, petroliferous, hard, "Oil Shale", Show - as above.
- 2250 - 2300 No change.
- 2300 - 2450 No change.
- 2450 - 2500 Limestone - buff, tan, brown, micritic, argillaceous, some Oil Shale - as above.
- 2500 - 2550 Marl - tan, brown, petroliferous, "Oil Shale", faint golden fluorescence, slight streamer cut when dry.
- 2550 - 2600 Sandstone - light gray, very fine to fine grained, angular to sub-rounded, siliceous cement, hard, tight, medium gray, fissile, gritty to silty.
- 2600 - 2650 Sandstone - as above, clay matrix, tight; Marl - light brown, petroliferous, "Oil Shale"; Limestone - buff, tan, micritic, argillaceous.
- 2650 - 2700 As above; Shale - light gray, calcareous, firm, fissile, gritty to silty.
- 2700 - 2750 Marl - brown, petroliferous, hard, blocky, "Oil Shale", faint golden fluorescence, streamer cut when dry.
- 2750 - 2800 Shale - dark brown, limey, fissile, petroliferous, bleeding gas, gold fluorescence, strong streaming cut.
- 2800 - 2850 Siltstone - light gray, sandy, shaley, calcareous, hard; Some Clay - white.
- 2850 - 2900 Limestone - buff, grayish tan, micritic, argillaceous.

- 2900 - 2950 Shale - dark brown, fissile, limey, petroliferous. "Oil Shale". dull golden fluorescence, streaming cut when dried; Limestone - as above.
- 2950 - 3000 Shale and Limestone - as above.
- 3000 - 3050 Shale - light gray, fissile, calcareous, hard.
- 3050 - 3100 Shale - light gray, soft, fissile, gritty to silty, calcareous; Marl - light brown, petroliferous. "Oil Shale". faint golden fluorescence, streamer cut when dried.
- 3100 - 3150 Marl - as above.
- 3150 - 3200 Limestone - buff, tan, micritic, argillaceous, slightly petroliferous, hard; Marl - as above.
- 3200 - 3250 No change.
- 3250 - 3300 Marl - as above.
- 3300 - 3350 Shale - light gray, calcareous, fissile, hard; Marl - tan, brown, as above.
- 3350 - 3400 Gray Shale - as above; Sandstone - light gray, white, very fine grained, silty, angular, calcareous, clay-filled, tight, no show; Some Marl - as above.
- 3400 - 3450 No change.
- 3450 - 3500 Siltstone - light gray, shaley, sandy, calcareous; Shale - light gray, calcareous, fissile, hard.
- 3500 - 3550 Shale - medium gray, fissile to platy, calcareous, hard; Marl - tan, brown, petroliferous. "Oil Shale". light golden fluorescence, faint steamer cut when dried.
- 3550 - 3600 Marl - as above.
- 3600 - 3650 Shale - light to medium gray, greenish in part, blocky, calcareous, firm; Siltstone - light gray, shaley; Few quartz pebbles, coarse, sub-angular; Limestone - tan, brown, micritic.

- 3650 - 3700 Shale - medium gray, calcareous, silty to sandy, hard; Some Marl - tan, brown, petroliferous, "Oil Shale"; Trace of Claystone - white; Sandstone - clear to white, very fine grained, calcareous, hard, tight.
- 3700 - 3750 Sandstone - light gray, very fine to fine grained, slightly salt and pepper, angular to sub-rounded, calcareous, clay-filled, hard, tight; Marl - medium gray; Marl - brown, blocky, petroliferous, "Oil Shale", spotty golden fluorescence, streamer cut when dried; Limestone - tan, micritic.

### LOG TOP, 2nd GARDEN GULCH 3767' (+1616')

- 3750 - 3800 Shale - light gray, fissile, calcareous; Siltstone - light gray, sandy, shaley; Oil Shale - as above.

#### Begin 20 Foot Samples at 3800'

- 3800 - 3820 No change.
- 3820 - 3840 Sandstone - white, light gray, very fine to fine grained, angular to sub-rounded, silty, calcareous, clay-filled, tight, scattered specks of brown, oil stain, scattered faint golden fluorescence, faint streamer cut.
- 3840 - 3860 As above; Claystone - white, light gray.
- 3860 - 3880 Limestone - tan, brown, micritic, argillaceous, tight, faint golden fluorescence, faint streamer cut when dry.
- 3880 - 3900 Sandstone - tan, very fine to fine grained, silty, angular to sub-rounded, calcareous cement, friable, tan oil stain, yellow gold fluorescence, fast strong streaming cut; Limestone - as above; Siltstone - light gray, shaley in part, sandy.
- 3900 - 3920 Shale - medium gray, gritty to silty, calcareous, firm; Siltstone - light gray, shaley, sandy; Some Limestone - as above.
- 3920 - 3940 As above; Limestone - tan, brown, micritic, argillaceous.
- 3940 - 3960 Shale - light to medium gray, fissile, calcareous, firm.
- 3960 - 3980 Limestone - tan, brown, micritic, argillaceous; Shale - as above.
- 3980 - 4000 No change.

### LOG TOP, YELLOW 2 SANDSTONE 4007' (+1376')

- 4000 - 4020      Marl - tan, brown, petroliferous, "Oil Shale"; Shale - as above; Sandstone - tan, light gray, very fine grained, silty, angular, friable, calcareous, tight to poor porosity, light brown oil stain, yellow gold fluorescence, fast strong streamer cut.
- 4020 - 4040      No change.
- 4040 - 4060      Sandstone - tan, brown, very fine grained, silty, angular, calcareous, friable, tight to poor porosity, brown oil stain, patchy strong yellow golden fluorescence, instant strong streaming cut.
- 4060 - 4080      Claystone - light gray; Siltstone - light gray, shaley; Marl - tan, brown, petroliferous.

### LOG TOP, YELLOW 3 SANDSTONE 4070' (+1313')

- 4080 - 4100      As above; Sandstone - light gray, brown, very fine to fine grained, silty, angular, calcareous, friable, tight to poor porosity, brown portion has oil stain, golden fluorescence and quick strong streaming cut.
- 4100 - 4120      Sandstone - as above; Shale - light to medium gray, calcareous, firm, fissile.
- 4120 - 4140      Shale - as above; Marl - brown, petroliferous, "Oil Shale".
- 4140 - 4160      Shale - light to medium gray, fissile, hard, calcareous; Siltstone - light gray, sandy, calcareous.
- 4160 - 4180      No change.
- 4180 - 4200      Siltstone - light gray, sandy, calcareous; Shale - as above.
- 4200 - 4220      Shale - light to medium gray, fissile, calcareous; Marl - tan, brown, petroliferous, "Oil Shale".
- 4220 - 4240      Marl - tan, brown, blocky, petroliferous, "Oil Shale".
- 4240 - 4260      Marl - as above; Shale - medium gray, fissile, calcareous, firm.
- 4260 - 4280      Shale - dark brown, fissile, very petroliferous, golden fluorescence, streamer cut in dried sample.

- 4280 - 4300 Siltstone - light gray, calcareous, sandy, hard; Shale - light to medium gray, calcareous, fissile, hard, gritty to silty.
- 4300 - 4320 Sandstone - brown, very fine grained, silty, angular, calcareous, tight to poor porosity, brown oil stain throughout, bright yellow golden fluorescence, instant strong streaming cut. Shale and Siltstone - as above.
- 4320 - 4340 Shale - light to medium gray, calcareous, fissile, firm to soft; Limestone - tan, brown, micritic, petroliferous.
- 4340 - 4360 Shale - as above; Limestone - cream, chalky, tan, brown, micritic; Siltstone - medium gray, calcareous, shaley, hard, sandy.
- 4360 - 4380 As above; Some Shale - black, fissile, petroliferous, faint golden fluorescence, slight streamer cut in dry sample.

**LOG TOP, YELLOW MARKER 4383' (+1000')**

- 4380 - 4400 Siltstone - light gray, sandy, calcareous, clay-filled; Oil Shale - black, blocky, petroliferous.
- 4400 - 4420 Limestone - buff, tan, brown, ostracodal, fragmental; locally poor porosity, mostly tight, spotty brown oil stain, yellow gold fluorescence, instant strong streaming cut; Shale - light gray, hard, blocky, limey.
- 4420 - 4440 Shale - as above, gritty to silty; Some Limestone.
- 4440 - 4460 As above; Claystone - white, slightly calcareous.
- 4460 - 4480 Shale - as above; Sandstone - white, light gray, very fine grained, silty, angular, calcareous, tight, no show.
- 4480 - 4500 Sandstone - as above.
- 4500 - 4520 Sandstone - as above, grading to Shale - light gray, calcareous, hard, sandy.
- 4520 - 4540 Shale - light gray, blocky, hard, calcareous, partly silty to sandy; Limestone - tan, brown, micritic, argillaceous.



**LOG TOP, DOUGLAS CREEK 4545' (+838')**

- 4540 - 4560 Shale - as above; Shale - black, fissile, petroliferous.
- 4560 - 4580 Shale - medium gray, calcareous, hard, blocky; Some Marl - brown, petroliferous.
- 4580 - 4600 Shale - medium gray, calcareous, hard, blocky, gritty to silty.
- 4600 - 4620 As above; Claystone - light gray; Marl - light brown, petroliferous.

**LOG TOP, RED 3 SANDSTONE 4627' (+756')**

- 4620 - 4640 Sandstone - tan, brown, very fine grained, silty, angular, calcareous, friable, poor porosity, brown oil saturation, bright yellow golden fluorescence, instant strong streaming cut.
- 4640 - 4660 Claystone - light gray; Shale - medium gray, fissile, calcareous; Sandstone - as above.
- 4660 - 4680 Shale - medium gray, calcareous, fissile to blocky, hard.
- 4680 - 4700 Sandstone - light gray, white, very fine grained, silty, angular, calcareous, clay-filled, hard, tight; Shale - as above.
- 4700 - 4720 No change.

**LOG TOP, RED 5 SANDSTONE 4729' (+654')**

- 4720 - 4740 Shale - dark brown, black, fissile, petroliferous, yellow gold fluorescence, fair streaming cut in dry sample.
- 4740 - 4760 Shale - medium gray, calcareous, hard, blocky, gritty to silty; Marl - brown, petroliferous, hard.
- 4760 - 4780 Shale - light to medium gray, fissile to blocky, calcareous, hard.

**LOG TOP, 2nd DOUGLAS CREEK 4783' (+600')**

- 4780 - 4800 Shale - as above, gritty to silty.
- 4800 - 4820 Sandstone - light gray, very fine grained, silty, angular, calcareous to siliceous, hard, tight, shaley in part.
- 4820 - 4840 Oil Shale - dark brown to black, blocky, limey, petroliferous.

- 4840 - 4860 Siltstone - light gray, hard, sandy, calcareous; Shale - light gray, calcareous, fissile to blocky, hard.
- 4860 - 4880 No change.
- 4880 - 4900 Marl - tan to brown, petroliferous; Limestone - buff, tan, chalky micritic.
- 4900 - 4920 Shale - dark brown, black, fissile to blocky, petroliferous, dull golden fluorescence, strong fast streamer cut when dry.

**LOG TOP, GREEN MARKER 4923' (+460')**

- 4920 - 4940 Claystone - light gray, fissile; Siltstone - light gray, sandy, clay-filled, calcareous, hard; Marl - tan, brown, petroliferous.
- 4940 - 4960 Marl - as above; Shale - light gray, calcareous, fissile, firm; Claystone - light gray.
- 4960 - 4980 As above; Siltstone - light gray, calcareous, sandy, hard.
- 4980 - 5000 Shale - light gray, fissile to lumpy, calcareous, hard.
- 5000 - 5020 Shale - as above; Sandstone - light gray, very fine to fine grained, slightly salt and pepper, angular calcareous, clay-filled, hard, tight; Marl - tan, brown, petroliferous.
- 5020 - 5040 As above; Sandstone is very fine grained, silty.
- 5040 - 5060 As above; Sandstone - brown, very fine grained, silty, angular, friable, calcareous, poor porosity, brown oil saturation, bluish yellow fluorescence, instant strong streaming cut.
- 5060 - 5080 Shale - light gray, calcareous, fissile, firm; Some Marl - tan, brown, petroliferous, "Oil Shale".
- 5080 - 5100 Oil Shale - dark brown, black, fissile, petroliferous, gritty; Limestone - tan, brown, micritic.
- 5100 - 5120 Limestone - as above; Shale - light gray, fissile, firm, calcareous; Trace of Sandstone - light gray, very fine to fine grained, angular, clay-filled, salt and pepper, tight, no show.
- 5120 - 5140 Siltstone - light gray, calcareous; Shale and Limestone - as above.

- 5140 - 5160 Sandstone - tan, very fine grained, silty, angular, calcareous, friable, poor porosity, light brown oil saturation, yellow gold fluorescence, instant strong streaming cut; Claystone - light gray; Limestone - tan, brown, micritic, argillaceous.
- 5160 - 5180 Marl - tan, brown, petroliferous; Shale - medium gray, calcareous, hard, blocky.
- 5180 - 5200 No change.
- 5200 - 5220 Marl - dark brown, petroliferous.
- 5220 - 5240 Shale - dark brown, blocky, fissile, very petroliferous, golden fluorescence, streamer cut when dry; Limestone - tan, brown, micritic, argillaceous.
- 5240 - 5260 Shale - as above.
- 5260 - 5280 Marl - tan, brown, petroliferous; Shale - black, blocky, petroliferous.
- 5280 - 5300 Shale - dark brown, fissile, petroliferous, "Oil Shale".
- 5300 - 5320 No change.
- 5320 - 5340 Shale - medium gray, brownish gray, fissile, calcareous, slightly petroliferous; Marl - tan, brown, petroliferous.
- 5340 - 5360 Shale - dark brown, black, fissile, splintery, very petroliferous, "Oil Shale".
- 5360 - 5380 No change.
- 5380 - 5400 Shale - as above; Shale - medium gray, calcareous, blocky.

**LOG TOP, WASATCH TONGUE 5393' (-10')**

- 5400 - 5420 Shale - light gray, calcareous, fissile to lumpy, partly gritty.

**LOG TOP, BLUE 1 SANDSTONE 5433' (-50')**

- 5420 - 5440 Sandstone - clear, light gray, tan, very fine to fine grained, silty, angular to sub-rounded, calcareous, poor porosity, brown oil stain, bluish gold fluorescence, fast strong streaming cut; Marl - tan, brown, petroliferous, "Oil Shale".

- 5440 - 5460 Siltstone - light gray, calcareous, sandy; Shale - light gray, calcareous, hard, blocky; Marl - as above.
- 5460 - 5480 Shale - black, blocky, petroliferous, "Oil Shale"; Limestone - tan, brown, micritic, argillaceous.

**LOG TOP, BLUE 3 SANDSTONE 5483' (100')**

- 5480 - 5500 Sandstone - white, very fine to medium grained, angular to sub-rounded, calcareous, friable, poor porosity, no show; gas increase on detector.
- 5500 - 5520 Marl - tan, blocky, petroliferous; Shale - light gray, calcareous, hard, blocky; Claystone - white.
- 5520 - 5540 Sandstone - light gray, very fine to fine grained, silty, angular, clay-filled, calcareous, tight, no show; Marl and Shale - as above.
- 5540 - 5560 As above; Claystone - white.
- 5560 - 5580 Marl - tan, brown, petroliferous; Sandstone - as above, specks of black residual oil stain, no fluorescence or cut.
- 5580 - 5600 As above; Siltstone - light gray, sandy, calcareous.
- 5600 - 5620 Sandstone - white, very fine to fine grained, silty, angular, calcareous, partly clay-filled, friable, poor porosity, faint tan oil stain, bright yellow fluorescence, slow milky cut.
- 5620 - 5640 Shale - black, fissile, petroliferous; Sandstone - as above, tight, no show; Marl - tan, brown, petroliferous; Shale - light to medium gray, blocky, calcareous.
- 5640 - 5660 Marl - as above; Shale - light gray, fine textured, calcareous, hard, blocky.
- 5660 - 5680 As above; Claystone - light gray, soft.
- 5680 - 5700 Shale - light gray, fissile, firm, calcareous; Marl - tan, brown, petroliferous.
- 5700 - 5720 As above; Shale - black, blocky, petroliferous, "Oil Shale".

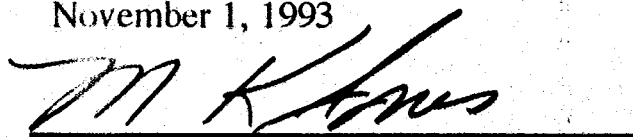
- 5720 - 5740 Sandstone - clear, very fine to medium grained, calcareous, angular, poor to fair porosity, bright yellow fluorescence, faint tan oil stain, instant strong streaming cut.
- 5740 - 5760 Shale - black, blocky, gritty, petroliferous; Limestone - tan, brown, micritic.
- 5760 - 5780 As above; Claystone - light gray, sandy.
- 5780 - 5800 Shale - medium gray, blocky, calcareous, hard.

**LOG TOP, UTELAND BUTTE LIMESTONE 5810' (-427')**

- 5800 - 5820 Shale - dark brown, dark gray, black, petroliferous, hard, calcareous; Limestone - tan, brown, dark brown, argillaceous.
- 5820 - 5840 No change.
- 5840 - 5860 As above; Limestone - buff, tan, brown, micritic, argillaceous.
- 5860 - 5880 No change.
- 5880 - 5900 Shale - medium to dark brown, fissile, petroliferous, calcareous; Some Limestone - as above.
- 5900 - 5940 No change.
- 5940 - 5950 Shale - as above.

Driller's Total Depth 5950'  
Logger's Total Depth 5956'

November 1, 1993



M.K. Jones  
Petroleum Geologist

## GEOLOGIC WELL LOG

OPERATOR: BALCRON OIL

WELL: MONUMENT BUTTE FEDEARL No. 14-8

COUNTY: DUCHESNE STATE: UTAH

SECTION: 8, TOWNSHIP 9S, RANGE 17E

QTR. SEC. SWSW 660' FSL, 660' FWL

KB 5383', GL 5370'

RIG: MOLEN #1

TOTAL DEPTH: 5950'

STATUS: AWAITING COMP.

SPUD DATE: 9-29-93

COMP. DATE: UNKNOWN

GEOLOGIST: K. Jones

# LITHOLOGIC SYMBOLS

	Sandstone		Salt		Anhydrite
	Conglomerate		Chert		Argillaceous
	Siltstone		Coal		Calcareous
	Shale		Igneous		Dolomitic
	Marl		Volcanics		Fossiliferous
	Limestone		Metamorphic		Glaucinitic
	Dolomite		Clay		Oolitic
	Anhydrite				Plant Remains
					Pyrite
					Siliceous
					Stylolites
					Oil Shale

## POROSITY & SHOW SYMBOLS

X POOR  
XX FAIR  
XXX GOOD

INTERPARTICLE POROSITY

V POOR  
VV FAIR  
VVV GOOD

VUG POROSITY

● POOR  
● FAIR  
● GOOD

OIL SHOWS

☀ POOR  
☀ FAIR  
☀ GOOD

GAS SHOWS

## OPERATIONAL SYMBOLS

CORE

SIDEWALL CORE

DST

CASING SEAT

PERFORATIONS

SQUEEZED PERFS

GEOLOGIST: M.K. Jones

FROM: 1500' TO: Total Depth

### DRILL RATE

Min/Ft

Ft/Hr



5' Avg



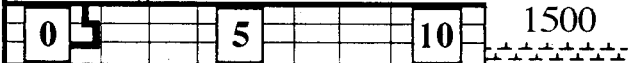
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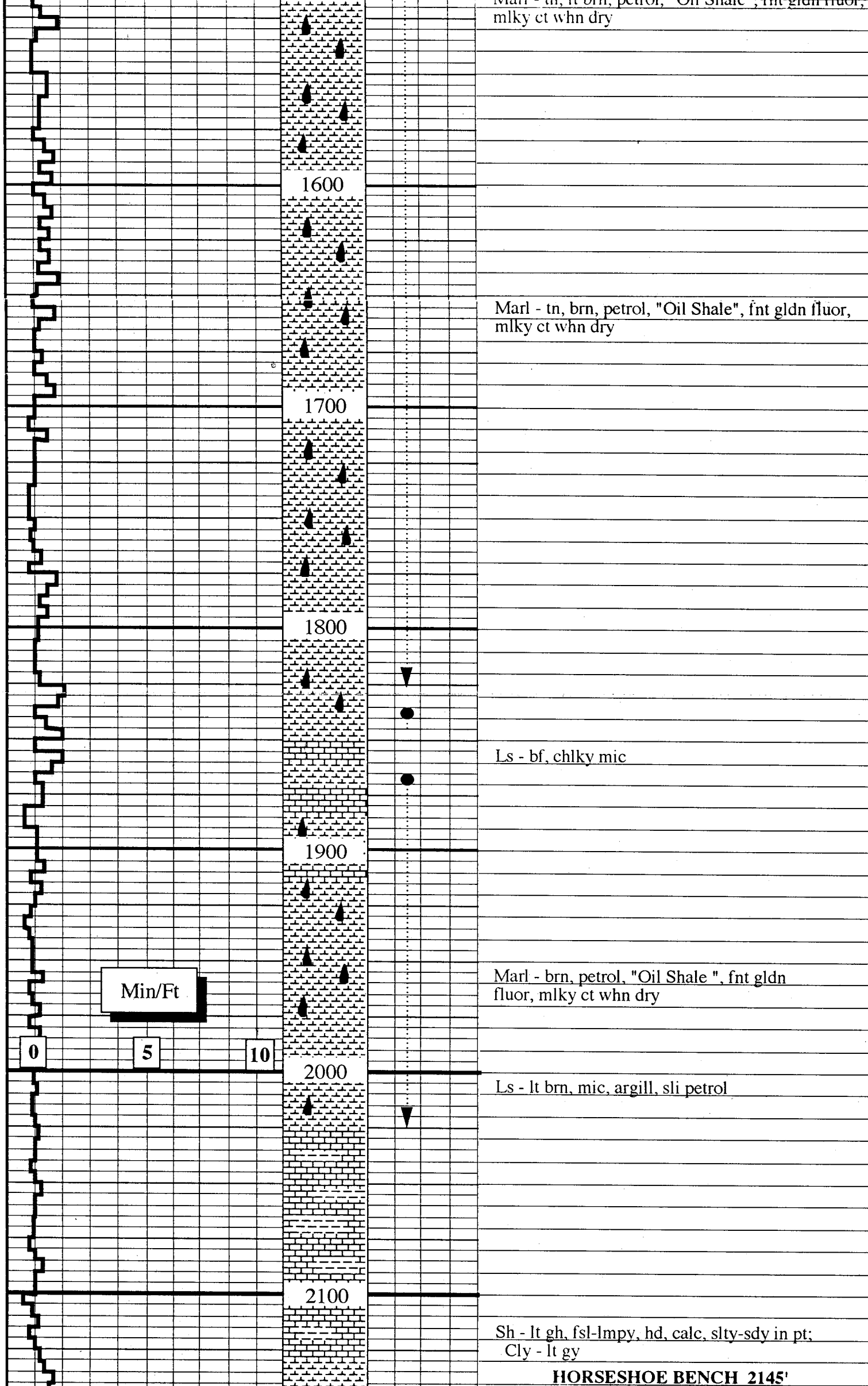
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TEXT





Marl - tn, brn, petrol, "Oil Shale", fnt gldn fluor, mlky ct whn dry

Marl - tn, brn, petrol, "Oil Shale", fnt gldn fluor, mlky ct whn dry

Ls - bf, chlky mic

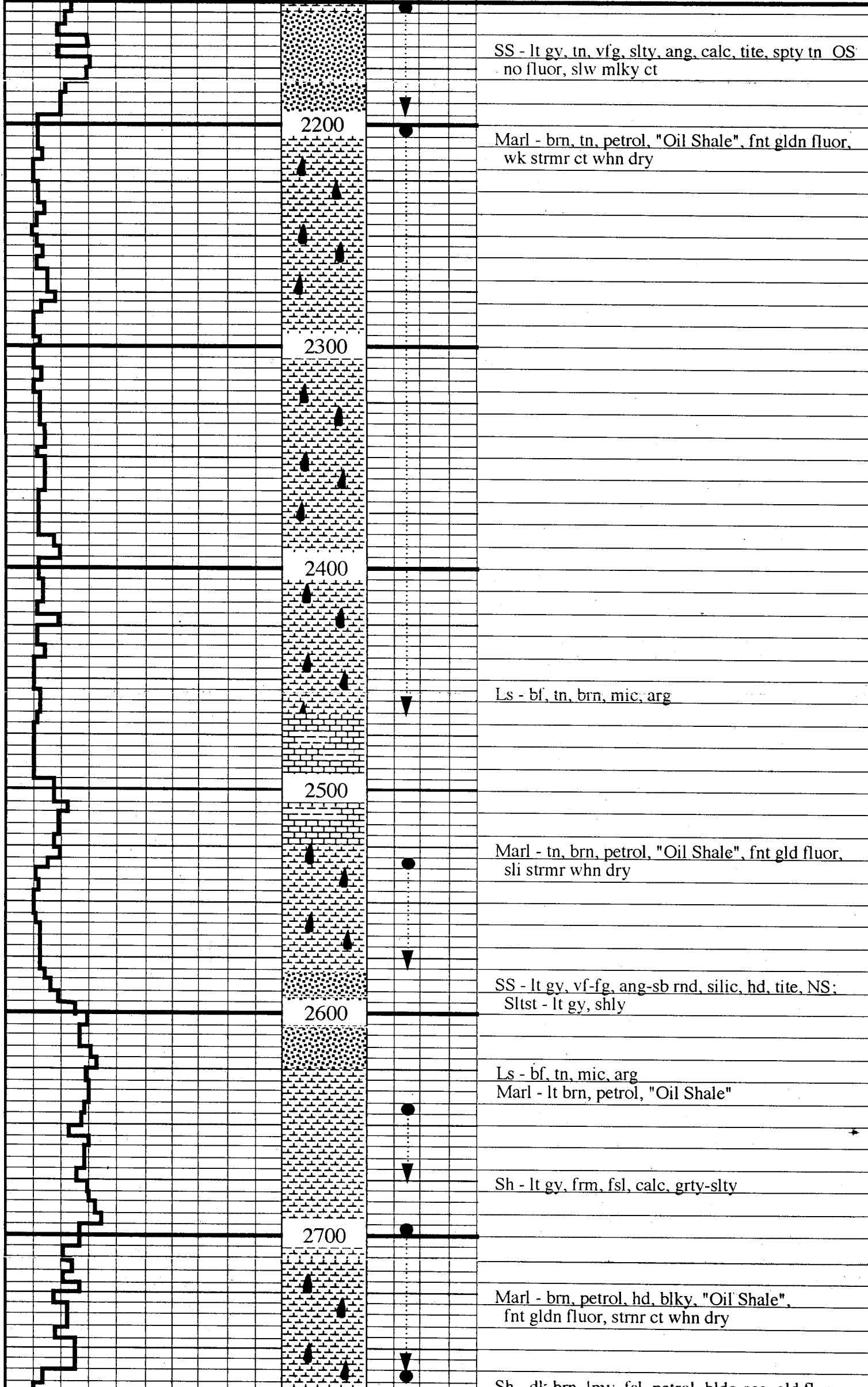
Marl - brn, petrol, "Oil Shale", fnt gldn fluor, mlky ct whn dry

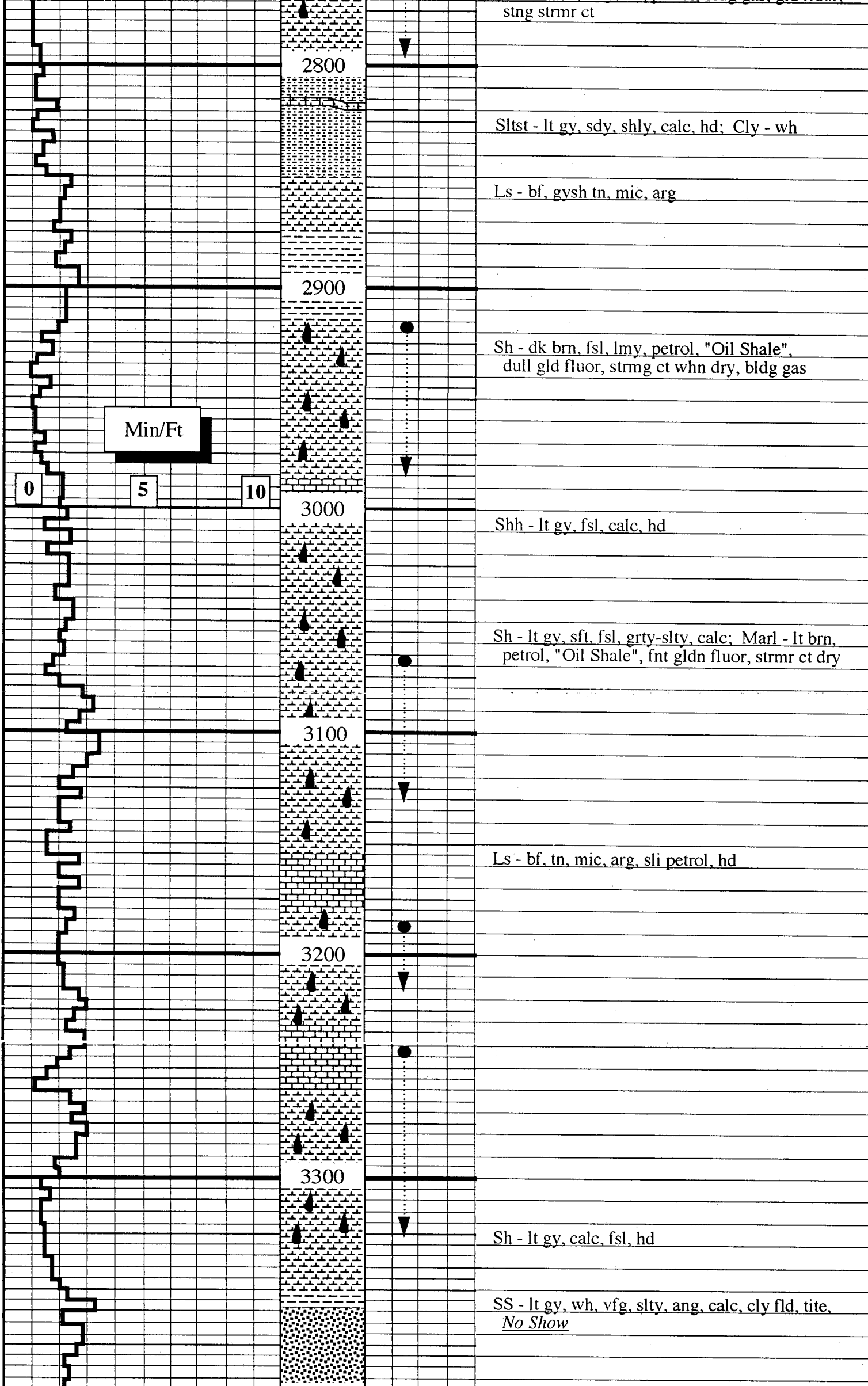
Ls - lt brn, mic, argill, sli petrol

Sh - lt gh, fsl-lmpy, hd, calc, slty-sdy in pt; Cly - lt gy

HORSESHOE BENCH 2145'







Bit No. 2  
F 4-H

3400

Sltst - lt gy, shly, sdy, calc;  
Sh - lt gy, calc, fsl, hd

3500

Sh - md gy, fsl -plty, clac, hd;  
Marl - tn, brn, petrol, "Oil Shale"

3600

Sh - lt-md gy, grnsh in pt, blk, calc, frm;  
Sltst - lt gy, shly; Qtz pbls;  
Ls - tn, brn, mic

Sh - md gy, calc, slty-sdy, hd

SS - clr-wh, vfg, calc, hd tite

3700

SS - lt gy, vf-fg, sli S&P, ang-sb rnd, calc,  
cly fld, hd, tite  
Marl - md gy, brn, blk, petrol, "Oil Shale"

2nd GARDEN GULCH 3767'

3800

Sltst - lt gy, sdy, shly

2" = 100'

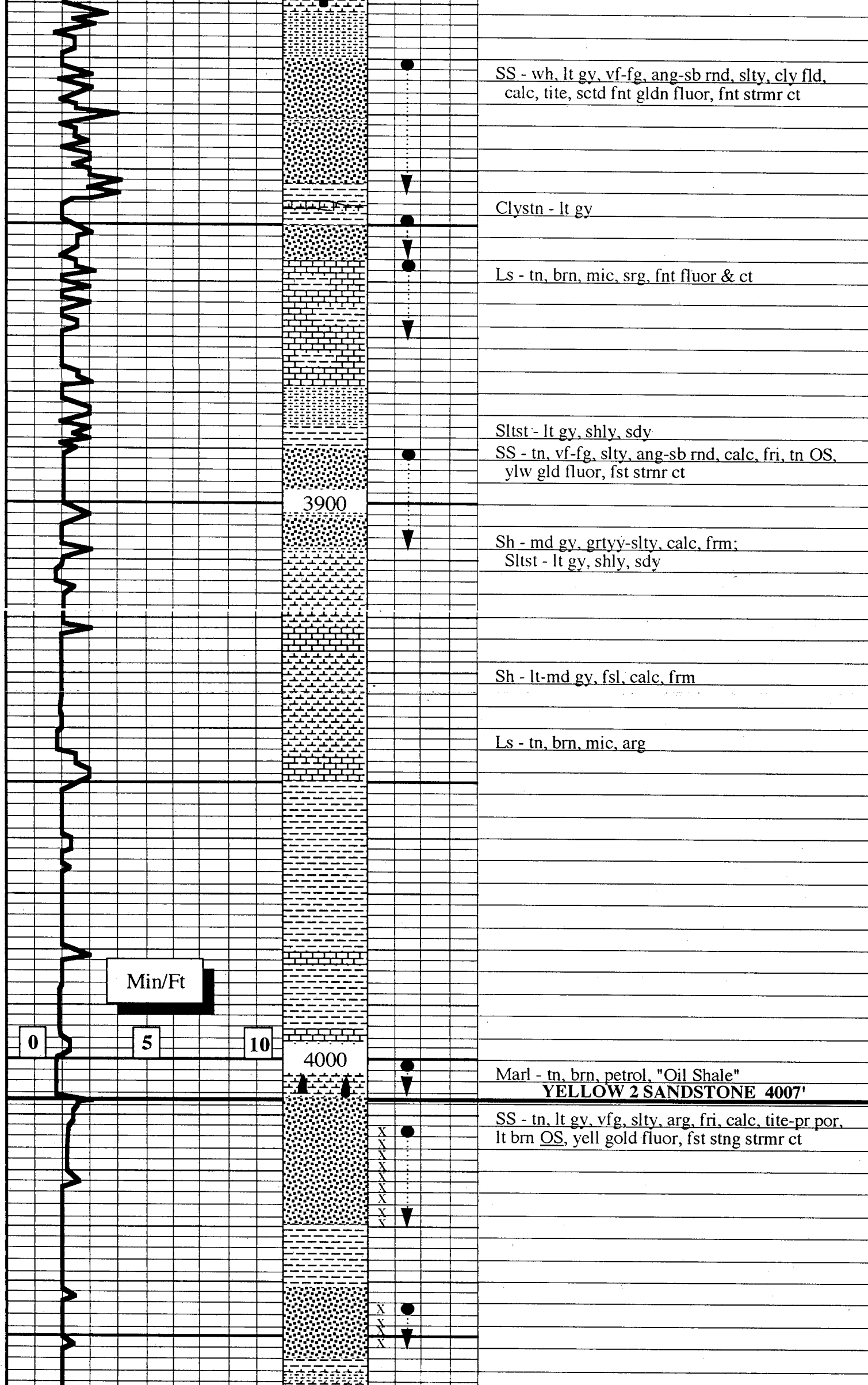
Depth Scale Change  
5" = 100'

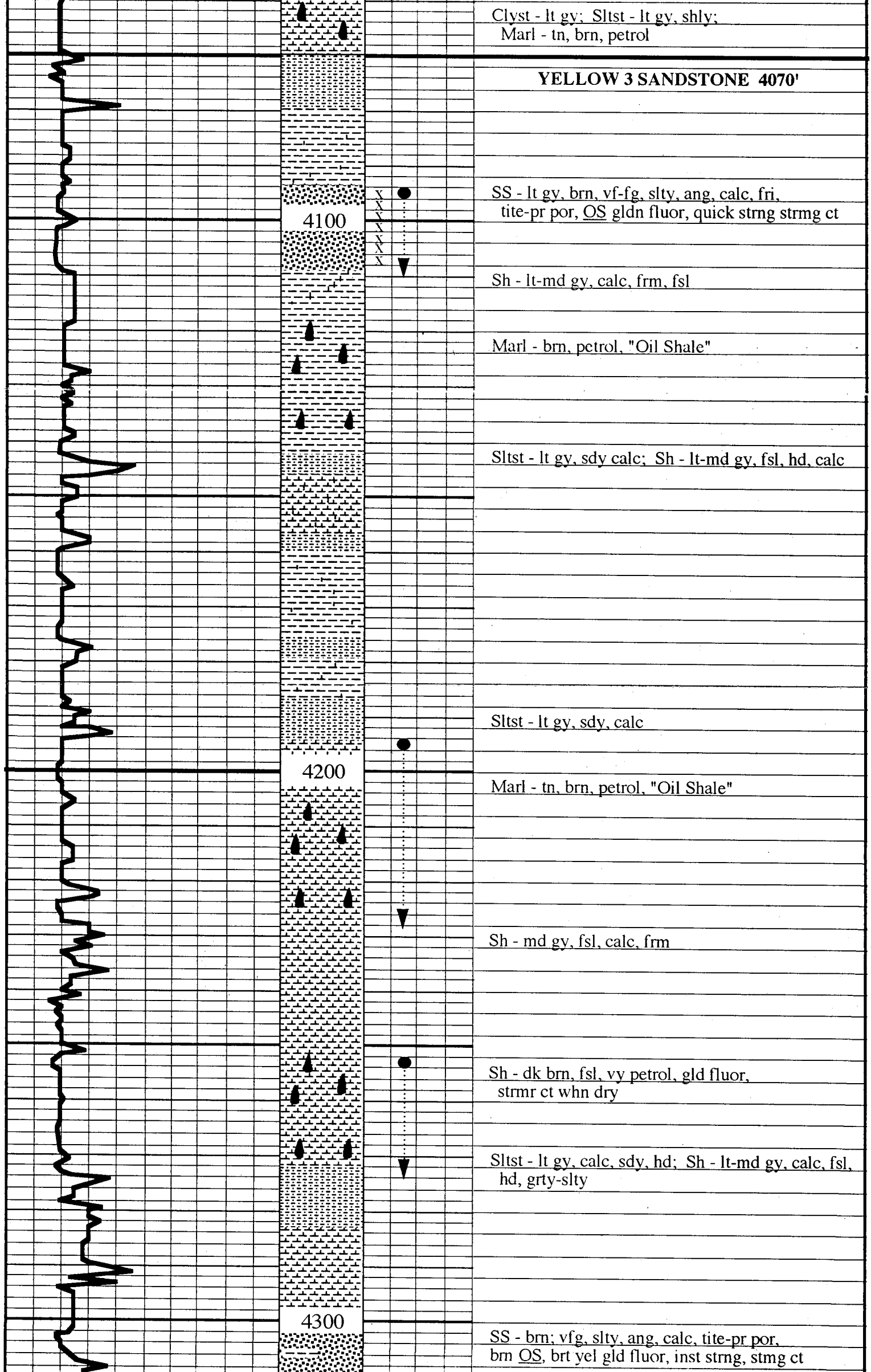
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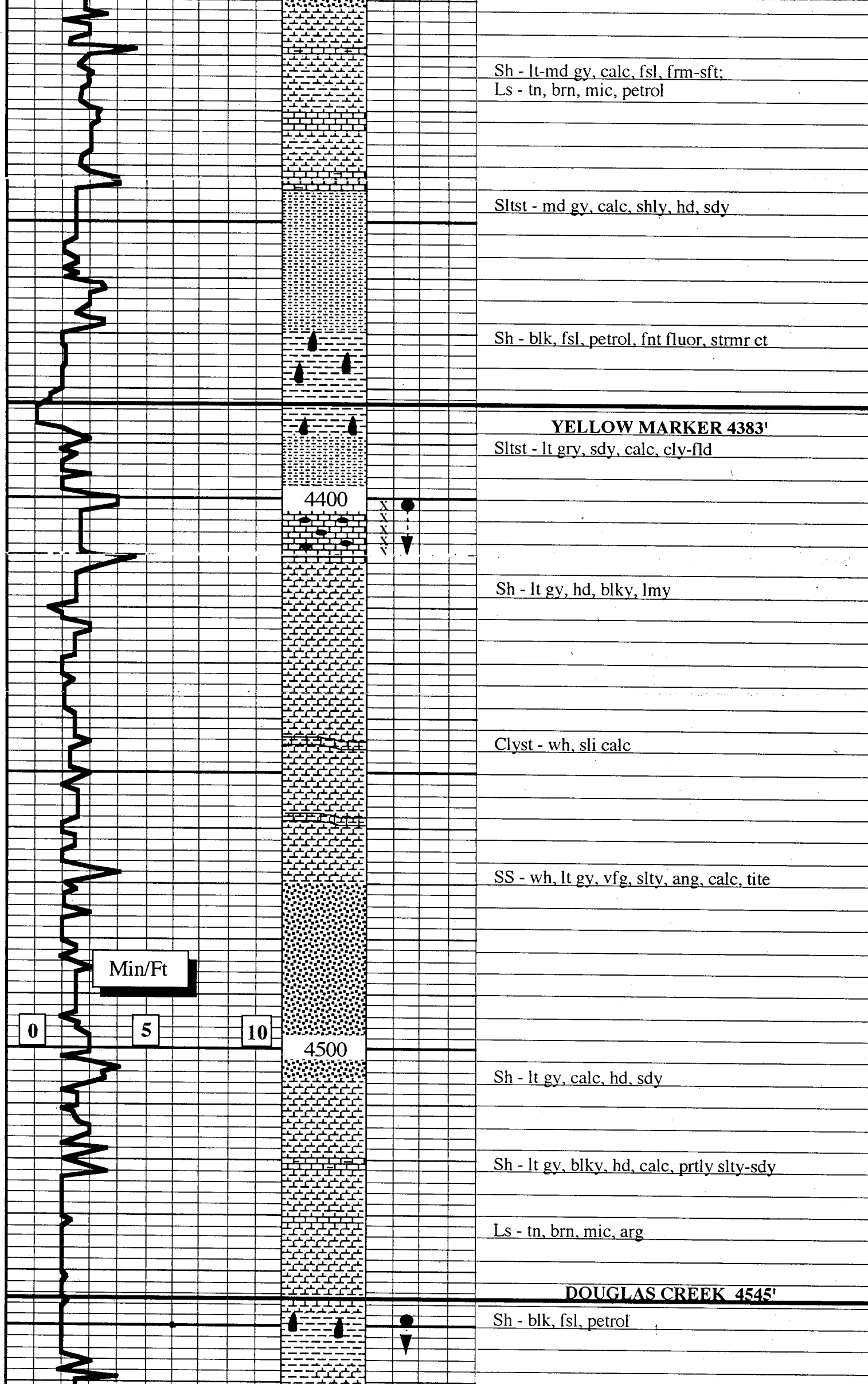
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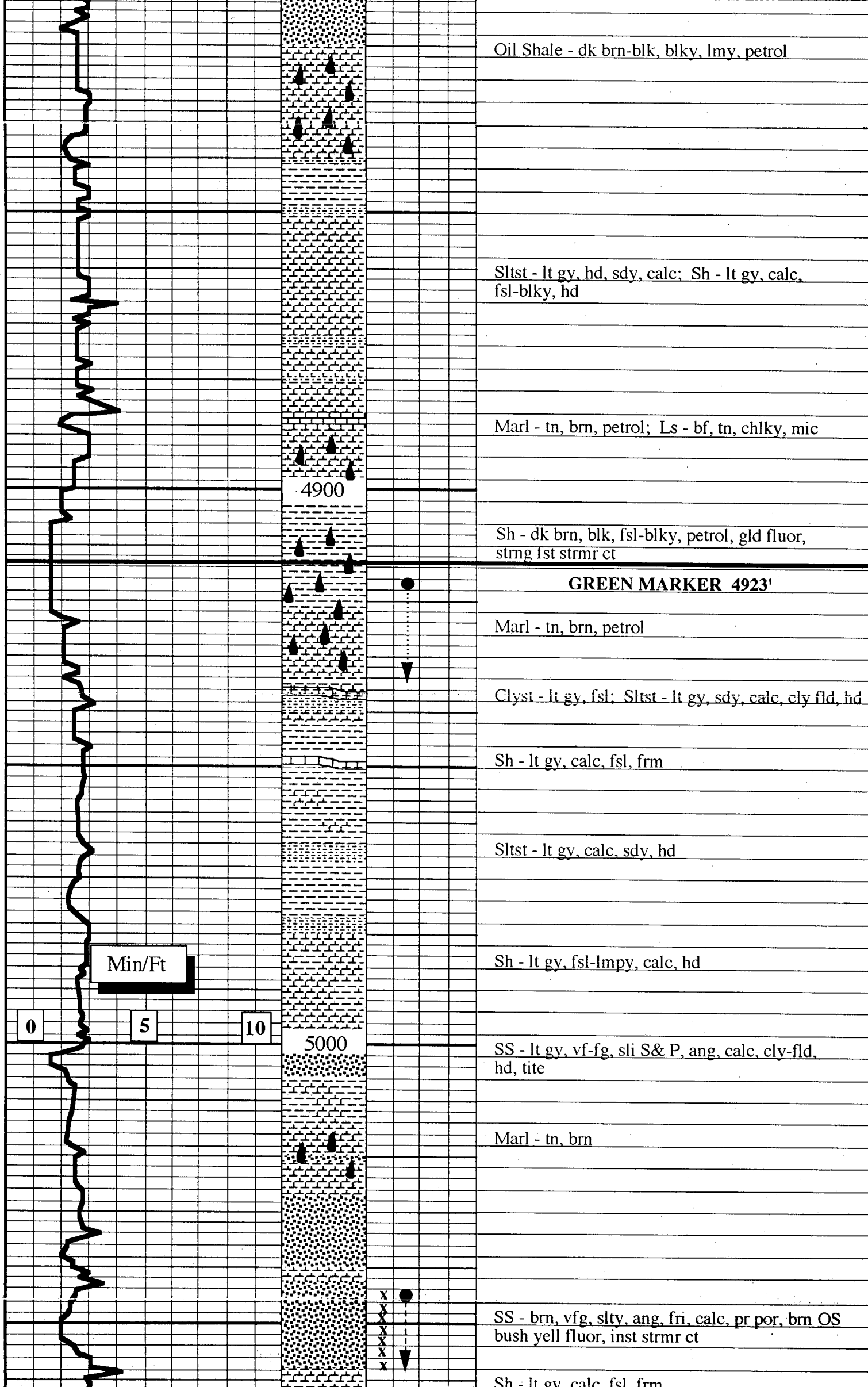
3800



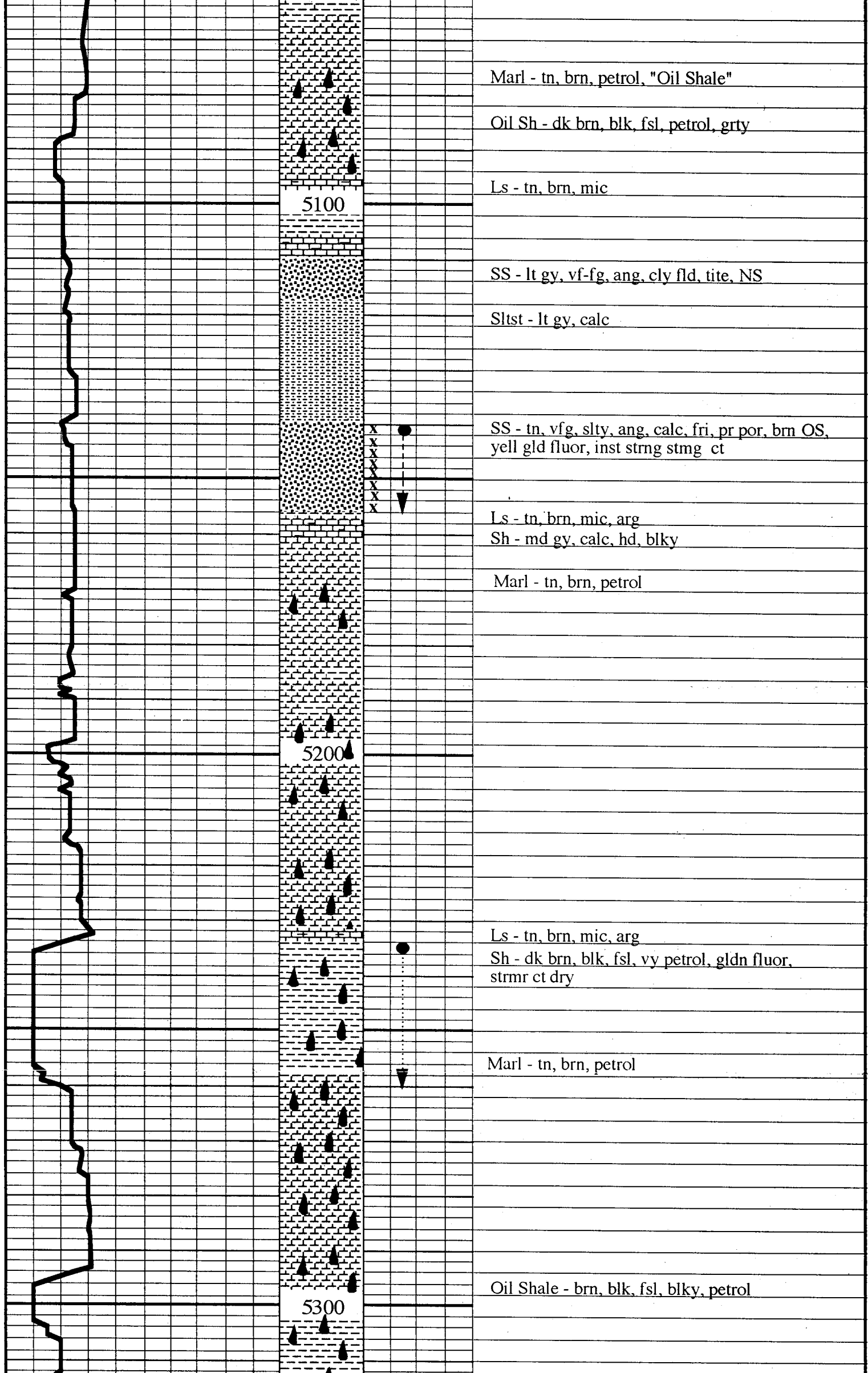


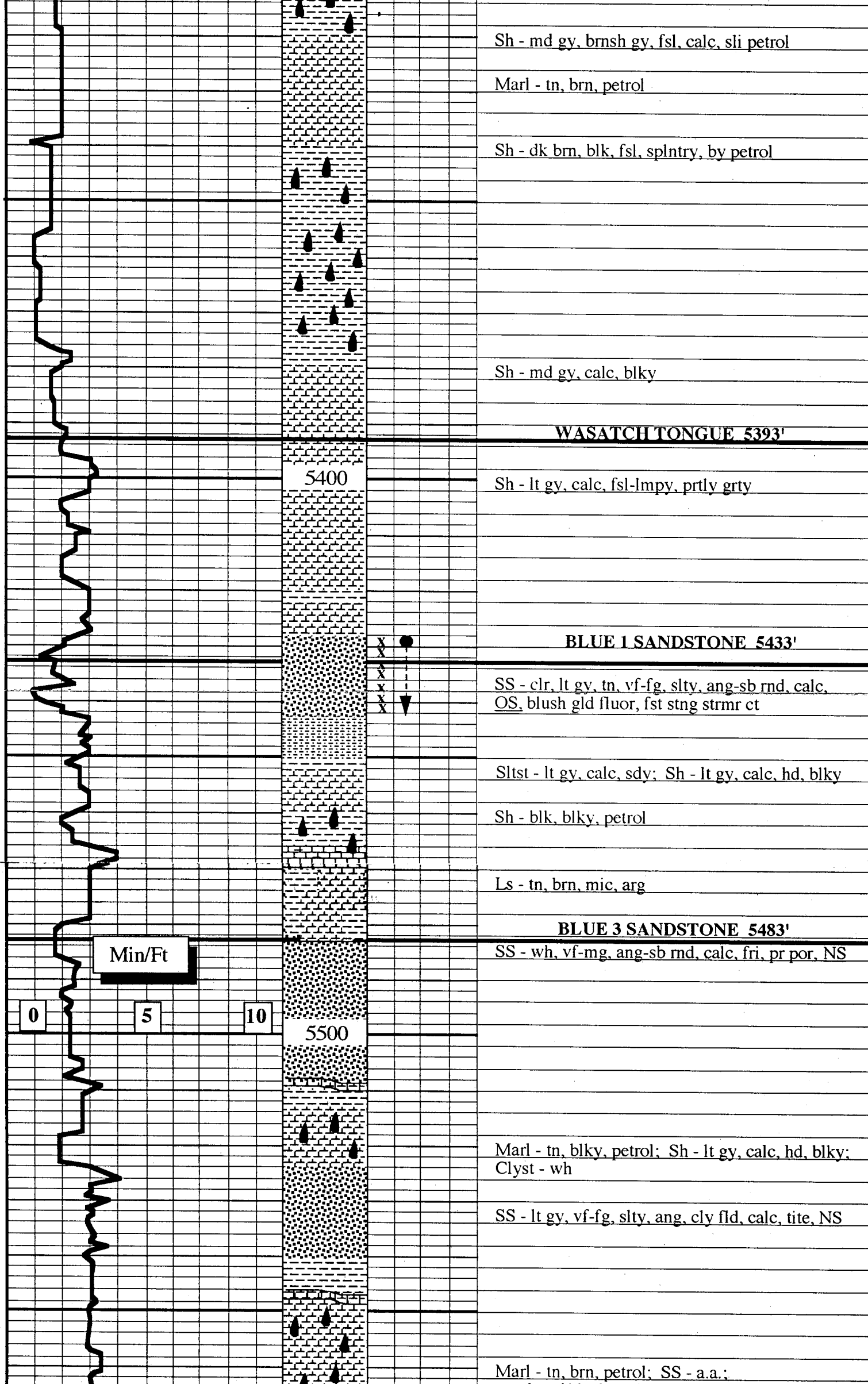












specks of black asphalt

Sltst - lt gy, sdy, calc

5600

SS - wh, vf-fg, slty, ang, calc, prtly cly fld,  
fri pr por, fnt tn OS, brt yell fluor, slw mlky ct

Sh - blk, fsl, petrol,  
Marl - tn, brn, petrol

Sh - lt-md gy, blk, calc

Sh - lt gy, fn txt, calc, hd, blk

Clyst - lt gy, sft

Marl - tn, brn, petrol

Sh - lt gy, fsl, frm, calc

5700

Sh - blk, blk, petrol

SS - clr, vf-mg, calc, ang, fri, pr-fr por,  
brite yell fluor, fnt tn OS, inst strng strmr ct

Sh - blk, blk, grty, petrol

Ls - tn, brn, mic

Clyst - lt gy, sdy

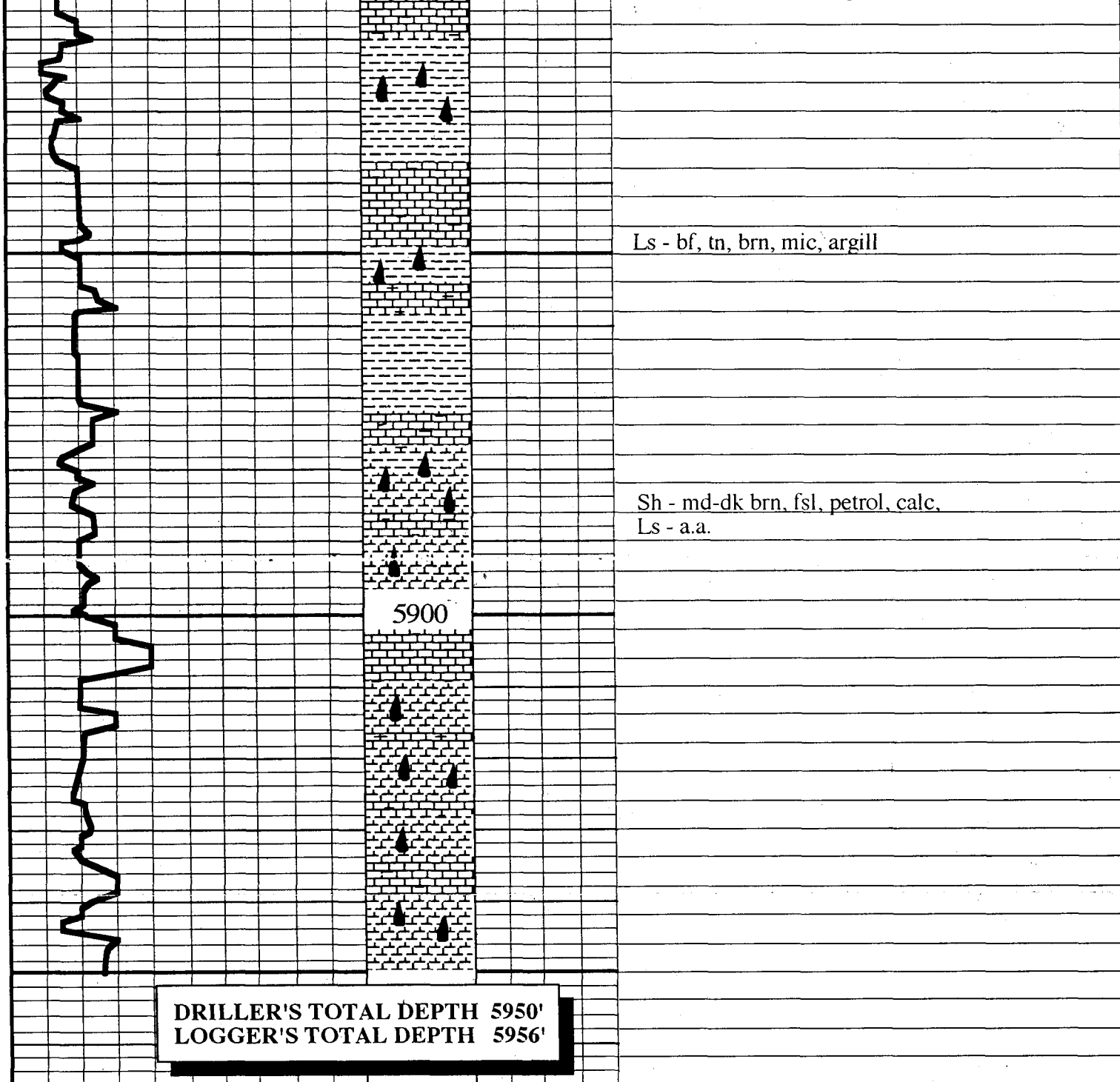
Sh - md gy, blk, cald, hd

5800

Sh - dk brn, dk gy, blk, petrol, hd

~~UTELAND BUTTE FS 5800~~

Ls - tn brn, dk brn, oreill



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NOV 26 1993

DIVISION OF  
OIL, GAS & MINING

BALCRON-OPERATED WELL LIST

WELL NAME	FIELD	QTR/QTR	SEC.	TWP.	RANGE	COUNTY	STATE	STATUS	ZONE	ST = State	API NUMBER	FOOTAGES	BLM OFFICE	UNIT OR WELL FILE NO.
										FED. OR STATE LEASE NO.				
Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	U-007978	43-013-31382	2060.2' FSL, 693.5' FWL	Vernal	
Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	U-007978	43-013-31398	660' FSL, 660' FWL	Vernal	
Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 09 1993

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry of a well or to install a reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

DIVISION OF  
OIL, GAS & MINING

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW SW Section 8, T9S, R17E

660' FSL, 660' FWL

5. Lease Designation and Serial No.

U-007978

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #14-8

9. API Well No.

43-013-31398

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other 1st production

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

First production on this well was at 4 p.m. 12/4/93.

CONFIDENTIAL

14. I hereby certify that the foregoing is true and correct

Signed

*Bobbie Schuman*  
Bobbie Schuman

Title

Coordinator of Environmental  
and Regulatory Affairs

Date December 6, 1993

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC 09 1993

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

DIVISION OF  
OIL, GAS & MINING

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW SW Section 8, T9S, R17E

660' FSL, 660' FWL

5. Lease Designation and Serial No.

U-007978

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #14-8

9. API Well No.

43-013-31398

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Onshore Order #7  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location from the Vernal Bureau of Land Management.

14. I hereby certify that the foregoing is true and correct

Signed

*Bobbie Schuman*  
Bobbie Schuman

Title

Coordinator of Environmental  
and Regulatory Affairs

Date

12-6-93

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

**RECEIVED**

JAN 06 1994

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company, Balcon Oil Division

3. Address and Telephone No.

P.O. Box 21017, Billings, MT 59104

(406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW SW Section 8, T9S, R17E

660' FSL, 660' FWL

5. Lease Designation and Serial No.

U-007978

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcon Monument Federal #14-8

9. API Well No.

43-013-31398

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Site Security Diagram

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached is our Site Security Diagram for this well.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date 1-5-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

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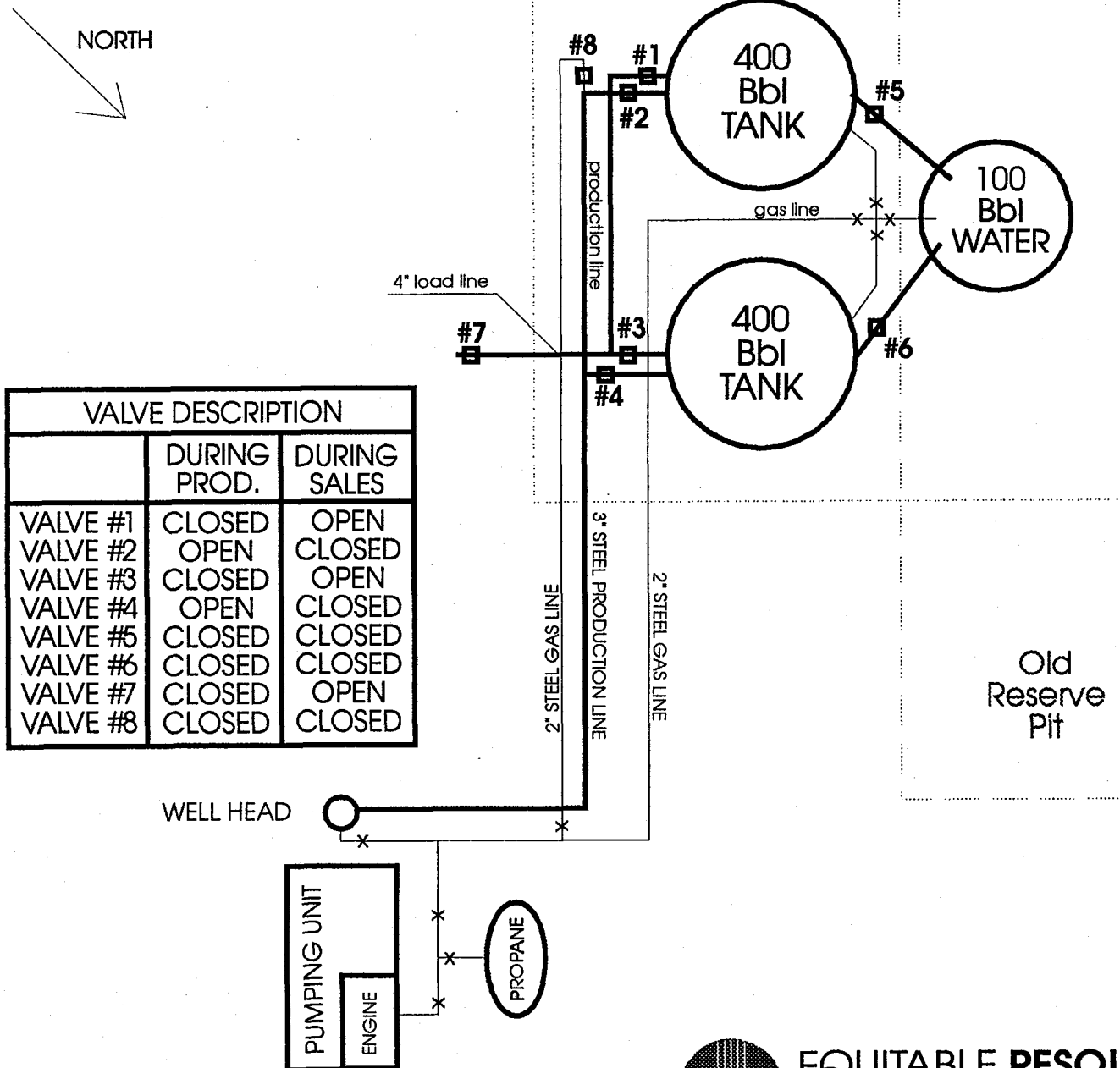
\*See Instruction on Reverse Side

# Equitable Resources Energy Company Balcron Monument Federal 14-8 Production Facility Diagram

Balcron Monument Federal 14-8  
SW SW Sec. 8, T9S, R17E  
Duchesne County, Utah  
Federal Lease #U-007978  
660' FSL, 660' FWL

ACCESS  
ROAD

NORTH



**EQUITABLE RESOURCES  
ENERGY COMPANY**  
BALCRON OIL DIVISION

1601 Lewis Avenue  
P.O. Box 21017  
Billings, MT 59104-1017  
(406) 259-7860

DIAGRAM NOT TO SCALE

Revised 1/5/94 vk

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**CONFIDENTIAL**

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

**SUBMIT IN TRIPLICATE**

JAN 06 1994

1. Type of Well  
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone No.  
P.O. Box 21017, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
SW SW Section 8, T9S, R17E 660' FSL, 660' FWL

5. Lease Designation and Serial No.  
U-007978

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
n/a

8. Well Name and No.  
Balcron Monument Federal #14-8

9. API Well No.  
43-013-31398

10. Field and Pool, or Exploratory Area  
Monument Butte/Green River

11. County or Parish, State  
Duchesne County, Utah

**2. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Onshore Order #7
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Title Coordinator of Environmental and Regulatory Affairs

Date 1-5-94

(This space for Federal or State office use)

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

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\*See Instruction on Reverse Side

RECEIVED

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7 (1/89)

JAN 06 1994

DIVISION OF  
OIL, GAS & MINING

1. Well name and number: Balcron Monument Federal #14-8  
API number: 43-013-31398
2. Well location: QQ SW SW section 8 township 9S range 17E county Duchesne
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division  
Address: P.O. Box 21017 phone: (406) 259-7860  
Billings, MT 59104
4. Drilling contractor: Molen Drilling  
Address: F.O. Box 2222 phone: (406) 252-2591  
Billings, MT 59103

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
		No measurable water reported during drilling operations.	

6. Formation tops: See Geologic Report submitted separately.
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman  
Title Coordinator of Environmental and  
Regulatory Affairs

Signature Bobbie Schuman  
Date 1-5-94

Comments:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(Other instructions on reverse side)

Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

P.O. Box 21017, Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

660' ESL, 660' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-013-31398

DATE ISSUED

6-21-93

12. COUNTY OR PARISH

Duchesne

13. STATE

Utah

15. DATE SPUDDED

9-29-93

16. DATE T.D. REACHED

11-2-93

17. DATE COMPL. (Ready to prod.)

12-4-93

18. ELEVATIONS (DF, RKB, RT, GR, ETC.) \*

5370.6' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5950'

21. PLUG, BACK T.D., MD & TVD

5878'

22. IF MULTIPLE COMPL., HOW MANY \*

n/a

23. INTERVALS DRILLED BY

NOTARY TOOLS

SEC - TD

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) \*

4302'-5446'

Green River

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE-ELECTRIC AND OTHER LOGS RUN

DLL - MSFL - LDT - CNL - GR

CBL  
M40 LOG 11-4-93

27. WAS WELL CORED

No

28.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	283' KB	12-1/4"	150 sxs "G" + additives	n/a
5-1/2"	15.5#	5927.24'	7-7/8"	170 sxs Hilift and 290 sxs "G"	n/a

29.

LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)
n/a				

30.

TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5511.59'	n/a

31. PERFORATION RECORD (Interval, size and number)

5434'-46' (2 SPF)  
4573'-77' (2 SPF)  
4627'-40' (2 SPF)  
4302'-07' (2 SPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5434' - 5446'	17,500# 20/40 sand & 13,000# 16/30 sand w/386 bbls KCL water.
4573' - 4640'	26,000# 16/30 sand w/435 bbls KCL water
4302' - 4307'	12,600# 16/30 sand w/340 bbls KCL water

33.

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-4-93		1-1/2" Insert Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-8-93	24	n/a	→	60	300	0	5
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
n/a	r/a	→	60	300	0	43	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Used for fuel.

TEST WITNESSED BY

Dale Griffin

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

Coordinator of Environmental and

SIGNED

Bobbie Schuman

TITLE

Regulatory Affairs

DATE 1-5-94

\*(See Instructions and Spaces for Additional Data on Reverse Side)

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17. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run.	See Geologic Report submitted separately.		

UTAH DIVISION OF OIL, GAS AND MINING  
EQUIPMENT INVENTORY

RECEIVED

JAN 27 1994

Operator: Equitable Resources Lease: State:      Federal: X Indian:      Fee:      DIVISION OF OIL, GAS & MINING

Well Name: Balcron Monument Fed. 14-8 API Number: 43-013-31398

Section: 8 Township: 9S Range: 17E County: Duchesne Field: Monument Butte

Well Status: POW Well Type: Oil: X Gas:     

PRODUCTION LEASE EQUIPMENT: X CENTRAL BATTERY:     

1 Well head      Boiler(s)      Compressor      Separator(s)  
     Dehydrator(s)      Shed(s)      Line Heater(s)      Heated Separator  
     VRU      Heater Treater(s)

PUMPS:

     Triplex      Chemical 1 Centrifugal

LIFT METHOD:

X Pumpjack      Hydraulic      Submersible      Flowing

GAS EQUIPMENT:

0 Gas Meters      Purchase Meter      Sales Meter

TANKS: NUMBER

SIZE

<u>2</u>	Oil Storage Tank(s)	<u>400 with burners</u>	BBLS
<u>    </u>	Water Tank(s)	<u>    </u>	BBLS
<u>    </u>	Power Water Tank	<u>    </u>	BBLS
<u>    </u>	Condensate Tank(s)	<u>    </u>	BBLS
<u>1</u>	Propane Tank	<u>    </u>	

REMARKS: Centrifugal is trace pump. Tank burners and pumpjack  
motor are fired on casing gas with propane backup.

Location central battery: Qtr/Qtr:      Section:      Township:      Range:     

Inspector: David W. Hackford Date: 1/19/94

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

See attached

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

See attached

9. API Well No.

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other hookup to gas gathering system  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator proposes to hook up wells in the Monument Butte Field in accordance with the attached proposal.

RECEIVED

JAN 28 1994

DIVISION OF  
OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Coordinator of Environmental  
and Regulatory Affairs

Date

January 25, 1994

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

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\*See Instruction on Reverse Side



Monument Butte Field  
Duchesne County, Utah

Attachment to sundry Notice for hooking up new Monument Butte wells to the gas gathering system.

Equitable Resources Energy Company, Balcron Oil Division is proposing to hook up their newly-drilled oil wells in the Monument Butte Field to the existing gas gathering system. The proposed hookup will allow revenues to be earned from sales of excess gas. The new wells will be connected to the existing system by laying two-inch and one-inch polyurethane pipe on the surface from the well to the nearest gas gathering line. The two-inch line will be used for gathering the produced gas and transporting it to the Monument Butte gas plant where it is processed for sale. The one-inch line will be used for distribution of dry fuel gas from the gas plant to the wells. All proposed lines are within lease boundaries and are connecting lease wells only. Each well's gas production will be metered through existing gas meters and allocated back to each well according to oil production. All gas will be gathered, transported, allocated, and sold using the same past procedures.

1. The following wells will be connected to the Monument Butte gas plant and gas measured through the Paiute Federal Section 8 (#U-7978) gas meter.

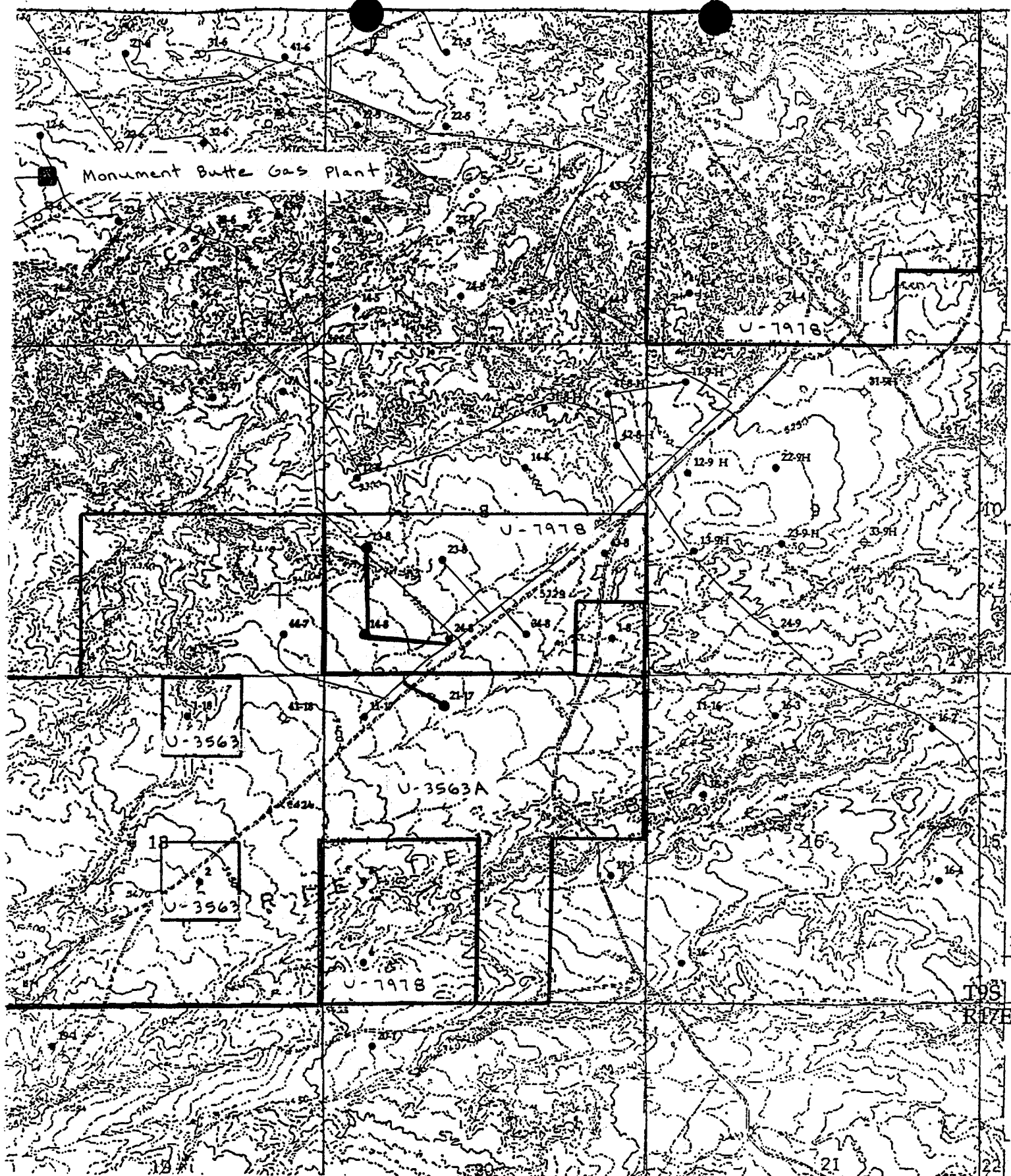
Balcron Federal #13-8	NW SW Sec. 8, T9S, R17E	1500 Feet
Balcron Federal #14-8	SW SW Sec. 8, T9S, R17E	1500 Feet

2. The following well will be connected to the Monument Butte gas plant and gas measured through the Mocon Federal (#U-3563A) gas meter.

Balcron Federal #21-17	NE NW Sec. 17, T9S, R17E	800 Feet
------------------------	--------------------------	----------

Please refer to the enclosed topographic map which shows proposed routes for each gas line. All proposed routes follow lease roads whenever possible to minimize disturbance and the gas lines will be placed on the surface which will eliminate trenching.

1/25/94  
JZ/rs



FEB 25 1994

1

DAILY OPERATING REPORT

BALCRON MONUMENT FEDERAL #14-8

Location: SW SW Section 8, T9S, R17E

Duchesne County, Utah

660' FSL, 660' FWL

PTD: 5950' Formation: Green River

Monument Butte Field

Elevations: 5370.6' GL

Contractor: Molen Drilling

Operator: Balcron/EREC

Spud: 9-29-93 @ 10:30 a.m.

Casing: 8-5/8" 24# J-55 @ 283' KB

5-1/2" 15.5# K-55 @ 5927.24' KB

Tubing: 2-7/8" 6.5# J-55 @ 5511.59' KB

---TIGHT HOLE---

9-23/27-93 Work on and finish location.

9-29-93 Move Leon Ross Drilling on and spud well @ 10:30 a.m.

10-1-93 Ran 6 jts 24# J-55, NewPort csg set @ 270. Molen KB 13', set at 283' KB. Cmt'd w/150 sxs Class "G" + additives. Plug down @ 4 p.m. 3 bbl cmt to pit. Ran top rubber plug, 40' cmt left in pipe.  
DC: \$13,125 CC: \$24,370

10-24-93 TD: 650' (367') Day 1  
Formation: Uintah  
MW 8.4 VIS 26  
Present Operation: Drilling  
MIRU, NU BOP. Test BOP & manifold to 2000# - OK. Test surface pipe to 1500# - OK. PU drill collars & drill cmt, survey & drill ahead.  
DC: \$9,069 CC: \$33,439

10-25-93 TD: 1,797' (1,147') Day 2  
Formation: Green River  
MW 8.4 VIS 26  
Present Operation: Drilling  
Drill, survey, repair pump valve & drill ahead.  
DC: \$14,754 CC: \$48,193

10-26-93 TD: 2,608' (811') Day 3  
Formation: Green River  
MW 8.4 VIS 26  
Present Operation: Drilling  
Drill, survey, trip for pressure loss, no hole in pipe, cut drill line. TIH & drill ahead.  
DC: \$12,132 CC: \$60,325

10-27-93 TD: 3,234' (626') Day 4  
Formation: Green River  
MW 8.4 VIS 26  
Present Operation: Drilling  
Drill, survey & clean on rig.  
DC: \$8,443 CC: \$68,768

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #14-8

Location: SW SW Section 8, T9S, R17E  
 Duchesne County, Utah

---TIGHT HOLE---

10-28-93 TD: 3,703' (469') Day 5  
 Formation: Green River  
 MW 8.3 VIS 27  
 Present Operation: Drilling  
 Drill, survey, trip for bit & LD drill pipe & PU inspected pipe.  
 Drill ahead.  
 DC: \$7,127 CC: \$75,895

10-29-93 TD: 4,292' (589') Day 6  
 Formation: Green River  
 MW 8.4 VIS 26  
 Present Operation: Drilling  
 Drill, survey. Clean on boiler house & paint.  
 DC: \$8,644 CC: \$84,539

10-30-93 TD: 4,831' (539') Day 7  
 Formation: Red Zone  
 MW 8.3 VIS 26  
 Present Operation: Drilling  
 Drill, survey, get all winterizing up & fire boiler.  
 DC: \$8,862 CC: \$93,401

10-31-93 TD: 5,474' (643') Day 8  
 Formation: Green Zone  
 MW 8.4 VIS 26  
 Present Operation: Drilling  
 Drill, survey, unload 5-1/2" csg on pipe racks. Move clocks back  
 1 hr (drill 25 hrs.)  
 DC: \$9,384 CC: \$102,785

11-1-93 TD: 5,950' (476') Day 9  
 Formation: Green River  
 MW 8.3 VIS 26  
 Present Operation: TOOH for logs.  
 Drill, survey, circ & TOH for logs.  
 DC: \$7,630 CC: \$110,415

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #14-8

Location: SW SW Section 8, T9S, R17E

Duchesne County, Utah

---TIGHT HOLE---

- 11-2-93 TD: 5,950' (0') Day 10  
 Formation: Green River  
 Present Operation: Rig Released  
 TOH for logs, log well, TIH, circ LD drill pipe & collars. RU csg crew & run 137 jts 5-1/2" csg & cmt by Dowell. Set slips. Plug down @ 3:30 a.m. 11-2-93. Release rig @ 7:30 a.m. 11-2-93. ND BOP, clean mud tanks. Csg detail as follows:
- |                             |          |
|-----------------------------|----------|
| Guide Shoe                  | .60      |
| 1 jt 5-1/2" shoe jt         | 44.38    |
| Float collar                | .85      |
| 136 jts 5-1/2", 15.5#, K-55 | 5870.41' |
| Landing jt                  | 11.00'   |
| Csg set at                  | 5927.24' |
| PBTD                        | 5878.00' |
- Cmt by Dowell w/170 sxs Hilift & tail w/290 sxs "G".  
 DC: \$71,443 CC: \$181,858
- 11-9-93 Completion  
 MIRU Basin Well Service Rig #2. NU csg head, NU BOP, PU & TIH w/114 jts 2-7/8" EUE J-55 8RD tbg. SWIFN.  
 DC: \$9,671
- 11-10-93 Completion  
 Circ well clean w/128 BW, 2% KCL. TOOH w/tbg, scraper & bit. RU Schlumberger to perf 5434'-46' (2 SPF). RD Schlumberger. TIH w/packer, SN, & 176 jts 2-7/8" tbg. Set packer @ 5416' KB. RU Western to do acid break down on perfs 5434'-46'. Pressure surface equipment to 5000 psi - OK. Spot acid @ perfs - set packer. Made 5 swab runs. Recovered 25 BW, trace of oil. Release packer & TOOH w/tbg & packer.  
 DC: \$8,037
- 11-11-93 Completion  
 RU Western to frac refer to treatment report. Start frac. CP - 700 psi. Flow back 30 BW. TIH w/1 jt 2-7/8" tbg, packer & 178 jts tbg to 5985' never tagged sand set packer @ 5385'. Made 4 swab runs recovered 20 BW. No sand. SWIFN.  
 DC: \$21,641
- 11-12-93 Completion  
 CP - 0 psi. Made 10 swab runs, recovered 40 BW, trace of oil & no sand. Tag sand @ 5765', circ out 5845' (PBTD). TOOH w/tbg & packer. RU Schlumberger to perf 4573'-77', 4628'-40' (2 SPF). RD Schlumberger, & RU Western to do KCL break down refer to treatment report. Perfs 4628'-40' & TIH w/RBD, retrieving head, 4' x 2-7/8" sub, 5-1/2" packer, SN & 2-7/8" tbg. Pressure test surface equipment to 5000 psi - OK. Reset BP @ 4600' KB, set packer @ 4549' KB. Start break down on pers 4573'-77' refer to treatment report. Reset BP @ 4660' KB, flow back 20 BW. TOOH w/tbg, SN, packer, & retrieving head.  
 DC: \$7,338

DAILY OPERATING REPORTBALCRON MONUMENT FEDERAL #14-8

Location: SW SW Section 8, T9S, R17E  
Duchesne County, Utah

---TIGHT HOLE---

- 11-13-93 Completion  
RU Western to frac. Start frac. RU Schlumberger to set BP @ 4345'  
KB & perf 4302'-07' KB w/2 SPF. SWIFD.  
DC: \$38,171
- 11-15-93 Completion  
CP - 950 psi. Flow back 20 BW. TIH w/1 jt 2-7/8" tbg, 5-1/2" HD packer, SN & 140 jts 2-7/8" tbg, tag sand fill @ 4325' KB. Circ down to 4350' (BP). Release BP & TOOH w/tbg, packer, retrieving head & BP. TIH w/retrieving head, 1 jt 2-7/8", 5-1/2" packer, SN & 146 jts tbg. Tag sand @ 4530' KB. Circ down to 4650' KB, set packer @ 4250' KB, EOT @ 4281'. Made 15 swab runs. Recovered 70 bbls fluid w/each run. SWIFN.  
DC: \$1,821
- 11-16-93 Completion  
CP - 100 psi, TP - 100 psi. Flow 20 BW. Made 6 swab runs, recovered 24 BF, 10 BO, & 14 BW (no sand). Release packer, tag sand @ 4650', circ down to 4660' (BP), release BP, TOOH w/tbg & BHA. TIH w/production string as follows:
- |                                      | <u>Length</u> | <u>Depth KB</u> |
|--------------------------------------|---------------|-----------------|
| 1 jt tbg 2-7/8" EUE J-55 8rd 6.5#    | 30.40'        | 5511.59'        |
| One 2-7/8" x 3' perf sub             | 3.10'         | 5481.19'        |
| One SN                               | 1.10'         | 5478.09'        |
| 39 jts tbg 2-7/8" EUE J-55 8RD 6.5#  | 1199.00'      | 5476.99'        |
| one tbg anchor 2-7/8" x 5-1/2"       | 2.75'         | 4277.99'        |
| 139 jts tbg 2-7/8" EUE J-55 8RD 6.5# | 4262.24'      | 4275.24'        |
- KB (13')  
ND BOP, set tbg anchor w/8-1/2" tension. NU wellhead.  
SWIFN.  
DC: \$8,136
- 11-17-93 Completion  
CP - 0, TP - 0. TIH w/BHP 2-1/2" x 1-1/2" x 16'RWAC w/PA plunger; 217 - 3/4" x 25' plain rods; one 3/4" x 8' pony; one 3/4" x 6' pony; one 3/4" x 2' pony; one 1-1/4" x 22' polish rod SM; clamp rod off. Pressure test tbg to 1000 psi - OK. RDMO.  
DC: \$7,135
- 12-4-93 Started pumping @ 4 p.m. @ 12-4-93. 3 SPM/84" Stroke.  
Beam pump - Lufkin C-320-246-86 and Unit S/NC37552K-338892, Engine - Ajax Model E-42 and S/N 70220  
DC: \$39,773

**EQUITABLE RESOURCES  
ENERGY COMPANY****BALCRON OIL DIVISION**1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860**★FAX TRANSMITTAL★****FAX NO.: (406) 245-1365**

**TO:** NAME: Leesha  
COMPANY: Utah, Division of Oil, Gas, & Mining  
DATE: 02-21-96  
FAX #:

**FROM:** Molly Conrad  
Equitable Resources Energy Company, Balcron Oil Division  
1601 Lewis Avenue  
Billings, MT 59102  
Phone: (406) 259-7860 ext 236

**TOTAL # OF PAGES 2**  
(including this cover sheet)

If you do not receive all pages, please call back as soon as possible at (406) 259-7860.

**TELECOMMUNICATOR:** mmc

**SPECIAL INSTRUCTIONS:**

Here is a list of the Beluga Unit wells that you requested yesterday. Please let me know when you come up with an Entity Action number for them. The unit was effective 2-1-96, so I will have to change all of my records before reporting February production.

Thanks for your help!!

**NOTE:** The information contained in this facsimile message is privileged and confidential, and is intended only for the use of the individual(s) or entity name above who have been specifically authorized to receive it. If the reader is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return all pages to the address shown above. **THANK YOU.**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR EQUITABLE RESOURCES ENERGY  
ADDRESS BALCRON OIL DIVISION

OPERATOR ACCT. NO. H9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

2-22-96

Title

Date

Phone No. ( )



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1 of 11

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
EQUITABLE RESOURCES ENERGY  
1601 LEWIS AVE  
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 12 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name					Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location		OIL(BBL)				GAS(MCF)	WATER(BBL)	
BOLL WEEVIL FED 26-13										
4301330770	00035	08S	16E	26	GRRV					
CASTLE PK ST 43-16										
4301330594	01181	09S	16E	16	GRRV					
<del>WPAIUTE FEDERAL 34-81</del>										
4301330778	01200	09S	17E	8	GRRV					
<del>MOCON FEDERAL 14-71</del>										
4301330666	01205	09S	17E	7	GRRV					
<del>WPAIUTE FEDERAL 11-171</del>										
4301330516	01210	09S	17E	17	GRRV					
<del>WPAIUTE FEDERAL 24-81</del>										
4301330675	01220	09S	17E	8	GRRV					
JOURNEY FED 1-9										
4304730070	01260	09S	19E	9	GRRV					
CASTLE PK FED 24-10A										
4301330555	01281	09S	16E	10	GRRV					
HENDEL FED 1-17										
4304730059	01305	09S	19E	17	GRRV					
HENDEL FED 3-17										
4304730074	01305	09S	19E	17	GRRV					
HENDEL FED. 1-9										
4304720011	01310	09S	19E	9	GRRV					
PARIETTE BENCH FED 14-5										
4304731123	01335	09S	19E	5	GRRV					
PARIETTE BENCH UNIT 2										
4304715680	01345	09S	19E	7	GRRV					
TOTALS										

REMARKS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 2 of 11

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
 EQUITABLE RESOURCES ENERGY  
 1601 LEWIS AVE  
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 12 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name API Number	Entity	Location	Producing Zone	Well Status	Days Oper	Production Volumes		
						OIL(BBL)	GAS(MCF)	WATER(BBL)
PARIETTE BENCH FED 41-7								
4304731584	01346	09S 19E 7	GRRV					
<del>SUE MORRIS ST 16-3</del>								
4301330562	01450	09S 17E 16	GRRV					
STATE 16-2								
4301330552	01451	09S 17E 16	GRRV					
K JORGENSEN ST 16-4								
4301330572	01452	09S 17E 16	GRRV					
<del>ED DUNCAN ST 16-5</del>								
4301330570	01453	09S 17E 16	GRRV					
<del>PAIUTE FEDERAL 43-8</del>								
01330777	02042	09S 17E 8	GRRV					
<del>FEDERAL 18</del>								
4301330332	08100	09S 17E 18	DGCRK					
<del>POMCO #2</del>								
4301330505	08101	09S 17E 18	GR-WS					
<del>POMCO #4</del>								
4301330506	08102	09S 17E 17	GRRV					
<del>POMCO #5</del>								
4301330499	08104	09S 17E 17	GRRV					
PARIETTE BENCH FED 32-6								
4304731554	09885	09S 19E 6	GRRV					
PARIETTE BENCH FED 43-6								
4304731616	10280	09S 19E 6	GRRV					
<del>MAXUS FEDERAL 23-8</del>								
4301331196	10800	09S 17E 8	GRRV					
<b>TOTALS</b>								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
EQUITABLE RESOURCES ENERGY  
1601 LEWIS AVE  
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT ☐ (Highlight Changes)

Well Name					Producing Zone	Well Status	Days Oper	Production Volumes		
PI Number	Entity	Location						OIL(BBL)	GAS(MCF)	WATER(BBL)
COYOTE FEDERAL 21-5					GRRV					
4304732260	11500	08S	25E	5						
COYOTE FEDERAL 13-5					GRRV					
4304732261	11500	08S	25E	5						
FEDERAL 22-10Y					GRRV					
4301331395	11501	09S	17E	10						
FEDERAL 41-21Y					GRRV					
4301331392	11505	09S	16E	21						
FEDERAL 44-14Y					GRRV					
4304732438	11506	09S	17E	14						
FEDERAL 21-13Y					GRRV					
11331400	11510	09S	16E	13						
FEDERAL 21-9Y					GRRV					
4301331396	11513	09S	16E	9						
<del>MONUMENTAL FEDERAL 21-17</del>					GRRV					
4301331387	11528	09S	17E	17						
<del>FEDERAL 21-8</del>					GRRV					
4301331398	11529	09S	17E	8						
FEDERAL 21-25Y					GRRV					
4301331394	11530	09S	16E	25						
<del>MONUMENTAL FEDERAL 21-8</del>					GRRV					
4301331382	11574	09S	17E	8						
<del>MONUMENTAL FEDERAL 23-8</del>					GRRV					
4301331427	11613	09S	17E	8						
<del>MONUMENTAL FEDERAL 43-7</del>					GRRV					
4301331432	11616	09S	17E	7						
TOTALS										

REMARKS:

I hereby certify that this report is true and complete to the best of my knowledge.  
Date: \_\_\_\_\_  
Signature: \_\_\_\_\_ Telephone Number: \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

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## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
EQUITABLE RESOURCES ENERGY  
1601 LEWIS AVE  
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 12 / 95AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 11-25								
4304732455	11625	08S 17E 25	GRRV					
<del>MONUMENT FEDERAL 31-17</del>								
4301331428	11635	09S 17E 17	GRRV					
<del>MONUMENT FEDERAL 22-17</del>								
4301331429	11638	09S 17E 17	GRRV					
<del>BALCRON MONUMENT FEDERAL 12-17</del>								
4301331431	11640	09S 17E 17	GRRV					
ALLEN FEDERAL 31-6G								
4301331442	11642	09S 17E 6	GRRV					
BALCRON FEDERAL 41-19Y								
44732504	11651	09S 18E 19	GRRV					
BALCRON MONUMENT STATE 14-2								
4301331425	11656	09S 17E 2	GRRV					
FEDERAL 44-4Y								
4301331452	11679	09S 17E 4	GRRV					
FEDERAL 31-5Y								
4304732503	11680	09S 18E 5	GRRV					
BALCRON MONUMENT FEDERAL 21-25								
4304732528	11683	08S 17E 25	GRRV					
<del>MONUMENT FEDERAL 11-17</del>								
4301331466	11692	09S 17E 17	GRRV					
MONUMENT FEDERAL 12-25								
4304732526	11694	08S 17E 25	GRRV					
<del>MONUMENT FEDERAL 12-17</del>								
4301331467	11698	09S 17E 17	GRRV					
TOTALS								

REMARKS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

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## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION  
EQUITABLE RESOURCES ENERGY  
1601 LEWIS AVE  
BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 12 / 95

AMENDED REPORT ☐ (Highlight Changes)

Well Name PI Number      Entity      Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
<del>MONUMENT FEDERAL 32-174</del>						
4301331465 11704 09S 17E 17	GRRV					
MONUMENT FEDERAL 32-25						
4304732524 11707 08S 17E 25	GRRV					
MONUMENT FEDERAL 31-25						
4304732530 11710 08S 17E 25	GRRV					
BALCRON FEDERAL 12-22Y						
4301331476 11717 08S 17E 22	GRRV					
MONUMENT FEDERAL 33-25						
4304732525 11729 08S 17E 25	GRRV					
MONUMENT FEDERAL 23-25						
4304732529 11730 08S 17E 25	GRRV					
BALCRON MONUMENT STATE 24-2						
4304732612 11736 09S 17E 2	GRRV					
BALCRON MONUMENT STATE 13-2						
4301331482 11738 09S 17E 2	GRRV					
BALCRON MONUMENT STATE 22-2						
4304732610 11742 09S 17E 2	GRRV					
BALCRON MONUMENT STATE 12-2						
4301331481 11745 09S 17E 2	GRRV					
BALCRON FEDERAL 31-19Y						
4304732614 11751 09S 18E 19	GRRV					
BALCRON FEDERAL 42-19Y						
4304732616 11756 09S 18E 19	GRRV					
BALCRON FEDERAL 12-20Y						
4304732617 11758 09S 18E 20	GRRV					
TOTALS						

REMARKS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

**EQUITABLE RESOURCES  
ENERGY COMPANY****BALCRON OIL DIVISION**1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860**★FAX TRANSMITTAL★****FAX NO.: (406) 245-1365**

**TO:** NAME: Leesha  
COMPANY: Utah, Division of Oil, Gas, & Mining  
DATE: 02-21-96  
FAX #:

**FROM:** Molly Conrad  
Equitable Resources Energy Company, Balcron Oil Division  
1601 Lewis Avenue  
Billings, MT 59102  
Phone: (406) 259-7860 ext 236

**TOTAL # OF PAGES 2**  
(including this cover sheet)

If you do not receive all pages, please call back as soon as possible at (406) 259-7860.

**TELECOMMUNICATOR:** mmc

**SPECIAL INSTRUCTIONS:**

Here is a list of the Beluga Unit wells that you requested yesterday. Please let me know when you come up with an Entity Action number for them. The unit was effective 2-1-96, so I will have to change all of my records before reporting February production.  
Thanks for your help!!

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ENTITY ACTION FORM - FORM 6

OPERATOR EQUITABLE RESOURCES ENERGY  
ADDRESS BALCRON OIL DIVISION

OPERATOR ACCT. NO. N9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D		11880				9S	17E		DUCHESNE		
WELL 1 COMMENTS: *BELUGA UNIT EFF 2-1-96 (SEE ATTACHED LIST OF WELLS BEING CHANGED FROM CURRENT ENTITY TO NEW UNIT ENTITY 11880).											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. CORDOVA (DOGM)

Signature

ADMIN. ANALYST

2-22-96

Title

Date

Phone No. ( )

✓ A. Anderson State #1-16	Monument Butte	SW SW	16	9S	17E	Duchesne	UT	Oil (Sl)	Green River	ML-3453	43-013-15582	660' FSL, 560' FWL		Beluga
✓ Balcron Monument Fed. #12-17	Monument Butte	SW NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31431	1980' FNL, 660' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #13-8	Monument Butte	NW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31382	2060' FSL, 694' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31388	660' FSL, 660' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
✓ Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31455	1880' FNL, 1980' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
✓ Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
✓ D. Duncan State #16-5	Monument Butte	SW NW	16	9S	17E	Duchesne	UT	Oil	Green River	State ML-3453-B	43-013-30570	1922' FNL, 865' FWL		Beluga
✓ DMD Federal #17-1	Monument Butte	NE SE	17	9S	17E	Duchesne	UT	Oil (Sl)	Green River	U-44430	43-013-30689	2059' FSL, 0584' FEL	Vernal	Beluga
✓ Federal #1-18	Monument Butte	NW NE	18	9S	17E	Duchesne	UT	OSI	Green River	U-3563	43-013-30332	636' FNL, 2185' FEL	Vernal	Beluga
✓ Maxus Federal #23-8	Monument Butte	NE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31196	1847' FSL, 1947' FWL	Vernal	Beluga
✓ Mocon Federal #44-7	Monument Butte	SE SE	7	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-30666	670' FSL, 683' FEL	Vernal	Beluga
✓ Monument Federal #23-17-9-17B	Monument Butte	NE SW	17	9S	17E	Duchesne	UT	PND	Green River	UTU-74108		2217' FSL, 2187' FWL	Vernal	Beluga
✓ Monument Federal #33-17-9-17B	Monument Butte	NW SE	17	9S	17E	Duchesne	UT	PND	Green River	U-72106		1926' FSL, 2000' FEL	Vernal	Beluga
✓ Monument State #13-16-9-17B	Monument Butte	NW SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31580	1980' FSL, 660' FWL		Beluga
✓ Monument State #22-16-9-17B	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31579	1824' FNL, 1981' FWL		Beluga
✓ Monument State #23-16-9-17B	Monument Butte	NE SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31578	1980' FSL, 1980' FWL		Beluga
✓ Paiute Federal #11-17	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-047-30516	661' FNL, 664' FWL	Vernal	Beluga
✓ Paiute Federal #24-8	Monument Butte	SE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30675	660' FSL, 1980' FWL	Vernal	Beluga
✓ Paiute Federal #34-8	Monument Butte	SW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30778	660' FSL, 1980' FEL	Vernal	Beluga
✓ Paiute Federal #43-8	Monument Butte	NE SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30777	1958' FSL, 711' FEL	Vernal	Beluga
✓ POMCO #2	Monument Butte	NW SE	18	9S	17E	Duchesne	UT	OTA	Green River	U-3563	43-013-30505	1980' FSL, 1980' FEL	Vernal	Beluga
✓ POMCO #4	Monument Butte	SW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-103-30506	660' FSL, 660' FWL	Vernal	Beluga
✓ POMCO #5	Monument Butte	NW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30499	1980' FSL, 660' FWL	Vernal	Beluga
✓ Sue Morris #16-3	Monument Butte	NE NW	16	9S	17E	Duchesne	UT	OSI	Green River	State ML-3453-B	43-013-30562	660' FNL, 1980' FWL		Beluga

N4940-Enserch Explor. Inc.  
(Oper. chg. in Progress)

N8395-Prod. Recovery Corp.  
(Oper. chg. in Progress)



## (12/93)

UTAH

Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #14-15	Monument Butte	SW SW	15	9S	16E	Duchesne	UT	PND	Green River	U-017985	43-013-31381	772' FSL, 543' FWL	Vernal	
Balcron Monument Fed. #14-26	Monument Butte	SW SW	26	8S	16E	Duchesne	UT	PND	Green River	U-34346	43-013-31512	660' FSL, 660' FWL	Vernal	
Balcron Monument Fed. #14-3-9-17Y	Monument Butte	SW SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31535	671' FSL, 792' FWL	Vernal	
Balcron Monument Fed. #14-4	Monument Butte	SW SW	4	9S	16E	Duchesne	UT	PND	Green River	U-73086	43-013-31430	719' FSL, 607' FWL	Vernal	
Balcron Monument Fed. #14-5	Monument Butte	SW SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020250	43-013-31385	556' FSL, 517' FWL	Vernal	Jonah
Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31398	660' FSL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #21-10-9-17Y	Monument Butte	NE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31537	807' FNL, 2120' FWL	Vernal	
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31421	518' FNL, 1850' FWL	Vernal	Jonah
Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #21-25	Undesignated	NE NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32528	748' FNL, 1964' FWL	Vernal	
Balcron Monument Fed. #22-12J	Monument Butte	SE NW	12	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15796	2018' FNL, 2099' FWL	Vernal	Jonah
Balcron Monument Fed. #22-14J	Monument Butte	SE NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31489	2134' FNL, 2198' FWL	Vernal	Jonah
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #22-20-9-18Y	Monument Butte	SE NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32711	1980' FNL, 1980' FWL	Vernal	
Balcron Monument Fed. #22-22-8-17Y	Monument Butte	SE NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-67845	43-013-31538	1945' FNL, 2030' FWL	Vernal	
Balcron Monument Fed. #22-5	Monument Butte	SE NW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31384	1853' FNL, 1980' FWL	Vernal	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Vernal	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Vernal	Jonah
Balcron Monument Fed. #23-24-8-17		NE SW	24	8S	17E	Uintah	UT	PND	Green River				Vernal	
Balcron Monument Fed. #23-25	Undesignated	NE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32529	1927' FSL, 2139' FWL	Vernal	
Balcron Monument Fed. #23-5	Monument Butte	NE SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-31383	1816' FSL, 2057' FWL	Vernal	Jonah
Balcron Monument Fed. #24-12J	Monument Butte	SE SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-31409	539' FSL, 1777' FWL	Vernal	Jonah
Balcron Monument Fed. #24-25	Undesignated	SE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32669	653' FSL, 2028' FWL	Vernal	
Balcron Monument Fed. #24-5	Monument Butte	SE SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31375	765' FSL, 2243' FWL	Vernal	Jonah
Balcron Monument Fed. #24-6	Monument Butte	SE SW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31363	504' FSL, 1613' FWL	Vernal	Jonah
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #31-1J	Monument Butte	NW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31413	660' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #31-25	Undesignated	NW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32530	660' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #31-7J	Monument Butte	NW NE	7	9S	17E	Duchesne	UT	WIW	Green River	U-44426	43-013-31405	831' FNL, 1782' FEL	Vernal	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Vernal	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521	43-013-31419	1805' FNL, 2139' FEL	Vernal	Jonah
Balcron Monument Fed. #32-14J	Monument Butte	SW NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31490	1980' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Vernal	Jonah
Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31465	1880' FNL, 1980' FEL	Vernal	Beluga



**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

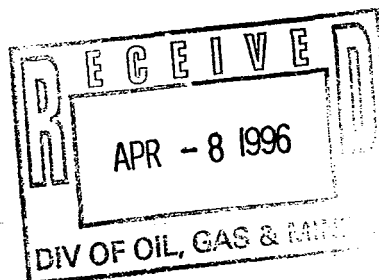
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*  
Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See attached listing

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See attached listing

8. Well Name and Number:

See attached listing

9. API Well Number:

See attached listing

10. Field and Pool, or Wildcat:

See attached listing

County: See attached list

State: UTAH

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other          | Operator name change                          |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

• Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

APR - 8 1996

13.

Name & Signature:

*Bobbie Schuman*  
Bobbie Schuman

Regulatory and

Title: Environmental Specialist Date: March 27, 1996

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1	LEP 7-SJ
2	DTB 58-FILE
3	VLD GIL
4	RJE
5	LEP
6	FILM

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☒ ~~Operator~~ **Names Change Only**

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator) <b>EQUITABLE RESOURCES ENERGY COEROM</b> (former operator) <b>EQUITABLE RESOURCES ENERGY CO</b>	
(address) <u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
phone (406) <u>259-7860</u>	phone (406) <u>259-7860</u>
account no. <u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>013-31398</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yes 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yes 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Scheco Ins. Co. (Bond Rider In Progress)

- See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date                      19  . If yes, division response was made by letter dated                      19  .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated                      19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.

Sent to Ed Bonner - Trust Lands

### FILMING

- UBR 1. All attachments to this form have been microfilmed. Date: May 20 1996.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/6/4/10 BLM/BIA "Formal approval not necessary"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59102

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW SW Section 8, T9S, R17E  
660' FSL, 660' FWL

5. Lease Designation and Serial No.  
UTU-74108

6. If Indian, Allottee or Tribe Name  
n/a

7. If Unit or CA, Agreement Designation  
Beluga Unit

8. Well Name and No.

Balcron Monument Fed. #14-8

9. API Well No.

43-013-31398

10. Field and Pool, or Exploratory Area  
Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☒ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other \_\_\_\_\_

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Additional perforations were added to the Green River Formation as follows:

4103' - 4107' (8 holes)

4046' - 4048' (6 holes)

The perforations were broken down as follows:

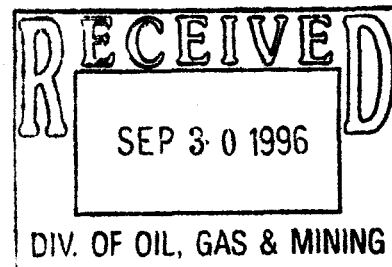
4046' - 4048' with 2100 gallons 2% KCL water.

4103' - 4107' with 4914 gallons 2% KCL water.

The perforations were fractured as follows:

4046' - 4107' with 24,898 # 16/30 mesh sand with 10,374 gallons 2% KCL gelled water.

The well was put back on production on 2-17-96 at 3:00 p.m.



14. I hereby certify that the foregoing is true and correct

Signed

*Molly Conrad*

Title Operations Secretary

Date 9-24-96

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

*tax credit*

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

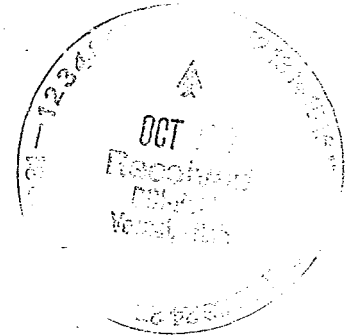


RECEIVED

OCT 10 1997

October 7, 1997

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078



RE: Change of Operator  
Duchesne & Vernal Counties, Utah

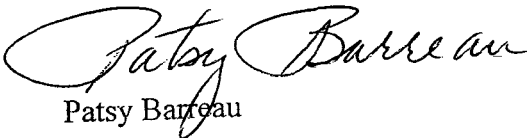
Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

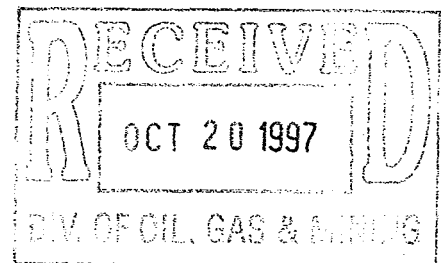
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

  
Patsy Barreau

/pb  
encls.





STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

OO, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion                        | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> |   |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 10 1997

13.

Name & Signature:

*Chris A. Potter*

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date:

9/30/97

This space for State use only)

## INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ BALCRON FEDERAL #22-20Y	SE NW 209S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32711-00	UTU64917	
✓ BALCRON FEDERAL #41-19Y	NENE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32504-00	UTU65635	
✓ MONUMENT FEDERAL #43-19Y	NE SE 199S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32730-00	UTU65635	
✓ MONUMENT FEDERAL #14-21Y	SW SW 219S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32726-00	UTU68105	
✓ A. ANDERSON STATE #1-16	SW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-15582-00		UTU75023X
✓ D. DUNCAN STATE #16-5	SWNW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30570-00		UTU75023X
✓ DMD FEDERAL #17-1	NE SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30689-00		UTU75023X
✓ FEDERAL #1-18	NWNE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30332-00		UTU75023X
✓ MAXUS FEDERAL #23-8	NESW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31196-00		UTU75023X
✓ MONUMENT BUTTE FED. #12-17	SWNW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31431-00		UTU75023X
✓ MONUMENT BUTTE FED. #14-8	SWSW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31398-00		UTU75023X
✓ MONUMENT BUTTE FED. #21-17	NENW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31387-00		UTU75023X
✓ MONUMENT BUTTE FED. #32-17	SWNE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31465-00		UTU75023X
✓ MONUMENT BUTTE FED. #41-17	NENE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31466-00		UTU75023X
✓ MONUMENT BUTTE FED. #43-7	NESE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31432-00		UTU75023X
✓ MONUMENT FEDERAL #23-17B	NE SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31582-00	UTU74108	UTU75023X
✓ MONUMENT STATE #23-16B	NE SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31578-00		UTU75023X
✓ PAIUTE FEDERAL #34-8	SWSE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30778-00		UTU75023X
✓ PAIUTE FEDERAL #43-8	NESE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30777-00		UTU75023X
✓ POMCO #2	NWSE 189S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30505-00		UTU75023X
✓ POMCO #4	NWSW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30506-00		UTU75023X
✓ SUE MORRIS #16-3	NENW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30562-00		UTU75023X
✓ MOCON FEDERAL #44-7	SE SE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30666-00		UTU75023X
✓ MONUMENT FEDERAL #13-8	NW SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31382-00		UTU75023X
✓ MONUMENT FEDERAL #33-8	NW SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31427-00		UTU75023X
✓ MONUMENT FEDERAL #22-17	SE NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31429-00		UTU75023X
✓ MONUMENT STATE #13-16B	NW SW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31580-00		UTU75023X
✓ MONUMENT STATE #11-16B	NW NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30616-00	ML21844 Beluga	UTU75023X
✓ MONUMENT STATE #22-16B	SE NW 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31579-00	31145	UTU75023X
✓ MONUMENT FEDERAL #31-17	NW NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31428-00		UTU75023X
✓ MONUMENT FEDERAL #33-17B	NW SE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31581-00		UTU75023X
✓ MONUMENT FEDERAL #42-17	SE NE 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-31467-00	UTU74108	UTU75023X
✓ MONUMENT FEDERAL #44-8-9-17B	SE SE 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30643-00	UTU74398	UTU75023X
✓ PAIUTE FEDERAL #24-8	SE SW 8 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30675-00	UTU74108	UTU75023X
✓ PAIUTE FEDERAL #11-17	NW NW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30516-00		UTU75023X
✓ POMCO #5	SW SW 179S 17E	DUCHESNE	UT	MONUMENT BUTTE (B)	43-013-30499-00		UTU75023X
✓ BALCRON FEDERAL #12-10Y	SW NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31536-00	UTU65210	
✓ BALCRON FEDERAL #21-10Y	NE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31537-00	UTU65210	
✓ BALCRON FEDERAL #22-10Y	SE NW 109S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-31395-00	UTU65210	



# EQUITABLE RESOURCES ENERGY COMPANY

## WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: Lisha  
St of Utah.

FROM: Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.  
Calling you need anything  
further.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 3 of 5

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
EQUITABLE RESOURCES ENERGY  
PO BOX 577  
LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 1 / 98AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
SUE MORRIS 16-3								
4301330562	11880	09S 17E 16	GRRV			mL3453B	Beluga (GR) unit	
D. DUNCAN ST 16-5								
4301330570	11880	09S 17E 16	GRRV			"		
FEDERAL D M D 17-1								
4301330689	11880	09S 17E 17	GRRV			u 44430		
PAIUTE FEDERAL 43-8								
4301330777	11880	09S 17E 8	GRRV			u 7978		
PAIUTE FEDERAL 34-8								
4301330778	11880	09S 17E 8	GRRV			"		
MAXUS FEDERAL 23-8								
4301331196	11880	09S 17E 8	GRRV			u 007978		
MONUMENT FEDERAL 21-17								
4301331387	11880	09S 17E 17	GRRV			u 3563A		
FEDERAL 14-8								
4301331398	11880	09S 17E 8	GRRV			u 007978		
BALCRON MONUMENT FEDERAL 12-17								
4301331431	11880	09S 17E 17	GRRV			u 72106		
MONUMENT FEDERAL 43-7								
4301331432	11880	09S 17E 7	GRRV			"		
MONUMENT FEDERAL 32-17								
4301331465	11880	09S 17E 17	GRRV			"		
MONUMENT FEDERAL 41-17								
4301331466	11880	09S 17E 17	GRRV			"		
MONUMENT STATE 23-16-9-17B								
4301331578	11880	09S 17E 16	GRRV			mL3453B	↓	
TOTALS								

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

IN REPLY REFER TO  
UT-931

March 2, 1998

Inland Production Company  
475 17th Street, Suite 1500  
Denver, Colorado 80202

Re: Beluga (Green River) Unit  
Duchesne County, Utah

Gentlemen:

On February 26, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Beluga (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective March 2, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Beluga (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Beluga (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

### Enclosure

bcc: District Manager - Vernal (w/enclosure)  
Division of Oil, Gas & Mining  
Minerals Adjudication Group U-932  
File - Beluga (Green River) Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron/Fluid Chron

UT931:TAThompson:tt:3/2/98

Well Status Report  
Utah State Office  
Bureau of Land Management

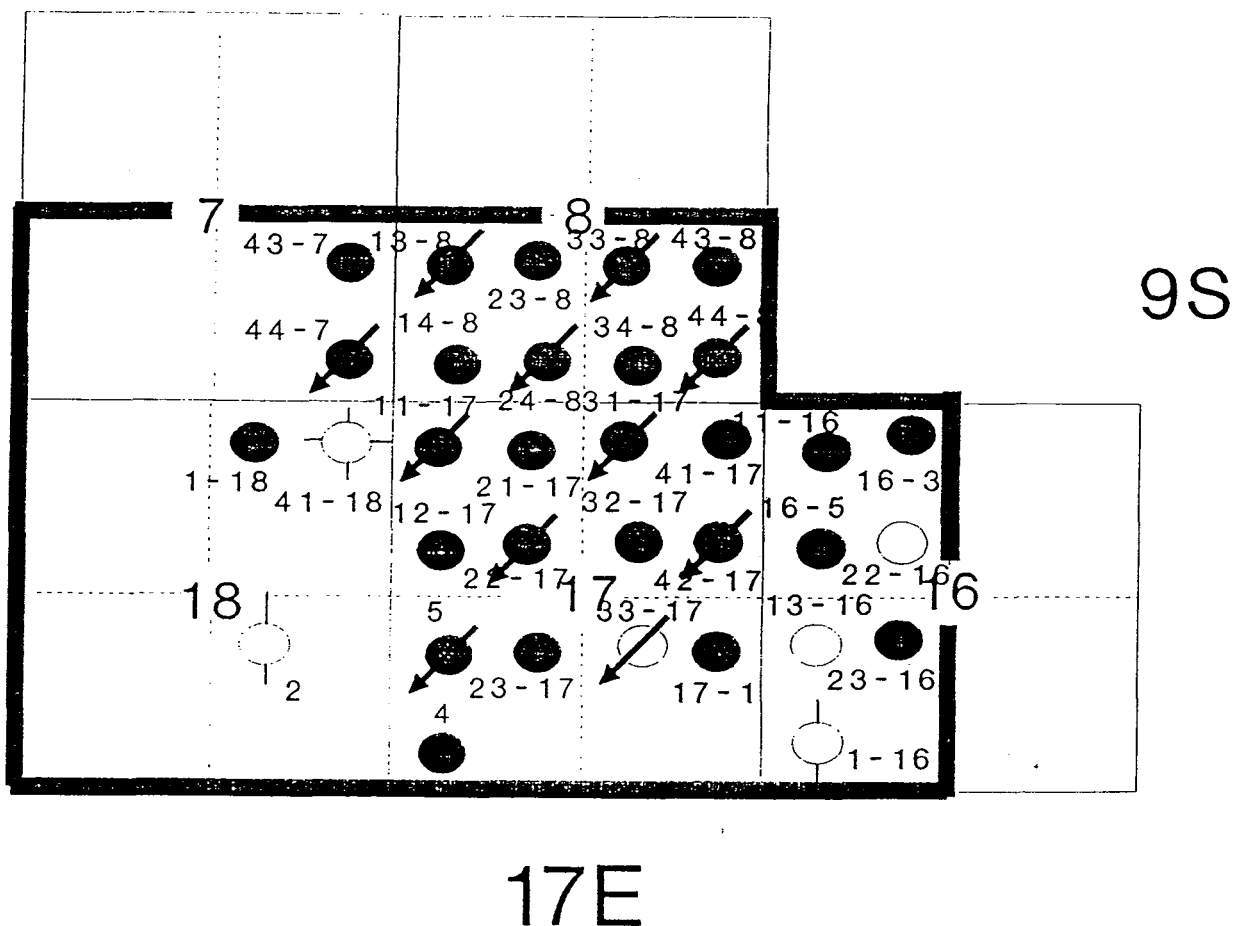
Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
** Inspection Item: UTU75023X								
STATE	4301315582	1-16 SHELL-STATE	SWSW	16	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330332	1-18 FEDERAL	NWNE	18	T	9S	R17E TA	EQUITABLE RESOURCES ENERGY CO
STATE	4301330616	11-16 STATE-NGC	NWNW	16	T	9S	R17E ABD (WIW)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330516	11-17 PIUTE-FEDERAL	NWNW	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331431	12-17	SWNW	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331580	13-16-9-17B	NWSW	16	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331382	13-8 MONUMENT FED	NWSW	8	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331398	14-8 MONUMENT FED	SWSW	8	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330562	16-3 MORRIS SUE	NENW	16	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301330570	16-5 DUNCAN-STATE	SWNW	16	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU44430	4301330689	17-1 FEDERAL-DMD	NESE	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU3563	4301330505	2 POMCO	NWSE	18	T	9S	R17E TA	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331387	21-17 MONUMENT FED	NENW	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331145	22-16-9-17B	SENW	16	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331429	22-17 MONUMENT FED	SENW	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
STATE	4301331578	23-16-9-17B	NESW	16	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331582	23-17-9-17B	NESW	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331196	23-8 MAXUS-FEDERAL	NESW	8	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330675	24-8 PIUTE-FEDERAL	SESW	8	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331428	31-17 MONUMENT BUTTE	NWNE	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331465	32-17	SWNE	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331581	33-17-9-17B	NWSE	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301331427	33-8 MONUMENT FED	NWSE	8	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330778	34-8 PAIUTE	SWSE	8	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330506	4 POMCO	SWSW	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331466	41-17	NENE	17	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331399	41-18 BALCROW FED	NENE	18	T	9S	R17E ABD (FA)	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331467	42-17	SENE	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301331432	43-7 MONUMENT BUTTE	NESE	7	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330777	43-8 PAIUTE	NESE	8	T	9S	R17E POW	EQUITABLE RESOURCES ENERGY CO
UTU72106	4301330666	44-7 MOCOW-FEDERAL	SESE	7	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74398	4301330643	44-8-9-17	SESE	8	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO
UTU74108	4301330499	5 POMCO	NWSW	17	T	9S	R17E WIW	EQUITABLE RESOURCES ENERGY CO

11250

# BELUGA (GREEN RIVER) UNIT

## DUCHESNE COUNTY, UTAH

EFFECTIVE: FEBRUARY 1, 1996



— UNIT OUTLINE (UTU75023X)  
2,223.13 ACRES

SECONDARY ALLOCATION	
FEDERAL	89.74%
STATE	10.26%



## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing		
1-LEC	6-LEC	
2-GLH	7-KAS	
3-ETS	8-SI	
4-VLD	9-FILE	
5-JRB		

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 9-30-97TO: (new operator) INLAND PRODUCTION CO.(address) PO BOX 1446ROOSEVELT UT 84066Phone: (435) 722-5103Account no. N5160

FROM: (old operator)

(address)

EQUITABLE RESOURCES ENERGYC/O CRAZY MTN O&G SVS'SPO BOX 577LAUREL MT 59044Phone: (406) 628-4164Account no. N9890

WELL(S) attach additional page if needed:

**\*BELUGA (GREEN RIVER) UNIT**

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31398</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 3-10-97)
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-20-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state**? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- lec 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (3-11-98) \* Quattro Pro & DBASE (WIC) 3-11-98.
- lec 6. **Cardex** file has been updated for each well listed above. (3-11-98)
- lec 7. Well **file labels** have been updated for each well listed above. (3-11-98)
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (3-11-98)
- lec 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

- Sec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A/Sec 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been **notified** through normal procedures of entity changes.

## BOND VERIFICATION - (~~FEE WELLS ONLY~~) Trust Lands - 80,000 Surety "Hartford Acc. & Indemnity Co."

- N/A/Sec 1. (r649-3-1) The **NEW** operator of any fee lease well listed above has furnished a proper bond.
- N/A/Sec 2. A **copy of this form** has been placed in the new and former operator's bond files.
- N/A/Sec 3. The **FORMER** operator has requested a release of liability from their bond (yes/no) \_\_\_\_, as of today's date \_\_\_\_\_. If yes, division response was made to this request by letter dated \_\_\_\_\_.

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- Sec 1. Copies of documents have been sent on 3-11-98 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A/Sec 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_ 19 \_\_\_, of their responsibility to notify all interest owners of this change.

## FILMING

- VB 1. All attachments to this form have been **microfilmed**. Today's date: 4.14.98.

## FILING

- \_\_\_ 1. Copies of all attachments to this form have been filed in each **well file**.
- \_\_\_ 2. The **original of this form**, and the **original attachments** are now being filed in the Operator Change file.

## COMMENTS

980311 Blm/SL Apr. 3-2-98.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, UT 84145-0155

<http://www.blm.gov>



IN REPLY REFER TO:

3106

(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004**

**FROM:** (Old Operator):  
 N5160-Inland Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

**TO:** ( New Operator):  
 N2695-Newfield Production Company  
 Route 3 Box 3630  
 Myton, UT 84052  
 Phone: 1-(435) 646-3721

**CA No.****Unit:****BELUGA (GREEN RIVER)****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MOCON FED 44-7	07	090S	170E	4301330666	11880	Federal	WI	A
MON FED 44-8-9-17B	08	090S	170E	4301330643	11880	Federal	WI	A
PAIUTE FED 24-8	08	090S	170E	4301330675	11880	Federal	WI	A
PAIUTE FEDERAL 43-8	08	090S	170E	4301330777	11880	Federal	OW	P
PAIUTE FEDERAL 34-8	08	090S	170E	4301330778	11880	Federal	OW	P
MAXUS FEDERAL 23-8	08	090S	170E	4301331196	11880	Federal	OW	P
MON FED 13-8	08	090S	170E	4301331382	11880	Federal	WI	A
FEDERAL 14-8	08	090S	170E	4301331398	11880	Federal	OW	P
A ANDERSON ST 1-16	16	090S	170E	4301315582	11880	State	OW	P
SUE MORRIS 16-3	16	090S	170E	4301330562	11880	State	OW	P
D DUNCAN ST 16-5	16	090S	170E	4301330570	11880	State	OW	P
MON ST 11-16-9-17B	16	090S	170E	4301330616	11880	State	WI	A
MON ST 22-16-9-17B	16	090S	170E	4301331145	11880	State	WI	A
POMCO 5	17	090S	170E	4301330499	11880	Federal	WI	A
POMCO 4	17	090S	170E	4301330506	11880	Federal	OW	P
PAIUTE FED 11-17	17	090S	170E	4301330516	11880	Federal	WI	A
FEDERAL D M D 17-1	17	090S	170E	4301330689	11880	Federal	OW	S
MONUMENT FED 21-17	17	090S	170E	4301331387	11880	Federal	OW	P
FEDERAL 1-18	18	090S	170E	4301330332	11880	Federal	OW	TA
POMCO 2	18	090S	170E	4301330505	11880	Federal	WI	A

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

- 6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*
- The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

**REGION 8**

**1595 Wynkoop Street  
DENVER, CO 80202-1129**

**Phone 800-227-8917  
<http://www.epa.gov/region08>**

Ref: 8P-W-GW

**AUG 12 2009**

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY**

RE: Additional Well: Beluga Area Permit  
UIC Permit No. UT20798-00000  
Well ID: UT20798-08393  
Monument Federal 14-8-9-17  
660' FSL & 660' FWL  
SW SW Sec. 8 T9S-R17E  
Duchesne County, Utah  
API #43-013-31398

Dear Mr. Sundberg:

The Newfield Production Company request to convert the former Green River Formation oil well Monument Federal 14-8-9-17 to an enhanced recovery injection well under the Beluga Area Permit is hereby authorized by the Environmental Protection Agency, Region 8 (EPA) under the terms and conditions described in the Authorization for Additional Well.

The addition of the proposed injection well within the exterior boundary of the Uintah & Ouray Indian Reservation is being made under the authority of 40 CFR §144.33 (c), terms of the Beluga Area Permit No. UT20798-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin injection operations until all Prior to Commencing Injection requirements have been submitted and evaluated by EPA and written authorization to begin injection is given by the Director. Please note that the Permit limits injection to the gross interval within the Green River Formation between the depth of 3,568 feet and the top of the Wasatch Formation estimated to be at 6,010 feet.

**RECEIVED**

**AUG 17 2009**

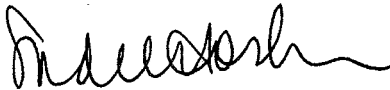
**DIV. OF OIL, GAS & MINING**

Prior to receiving authorization to inject, EPA requires that Newfield submit for review and approval: (1) a complete EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram, (2) a pore pressure calculation of the injection interval, and (3) the results of a Part I (Internal) Mechanical Integrity Test (MIT).

The initial Maximum Allowable Injection Pressure (MAIP) for the Monument Federal 14-8-9-17 is 930 psig. UIC Area Permit UT20798-00000 allows the permittee to request a change in the MAIP based upon results of a step rate test which demonstrates that the formation breakdown pressure will not be exceeded.

If you have any questions, please call Jason Deardorff at (303)-312-6583 or 1-(800)-227-8917 (Ext. 312-6583). Please submit the required data to Sarah Bahrman at the letterhead address citing mail code 8P-WLEW.

Sincerely,



for

Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

Encl: Authorization for Additional Well  
EPA Form No. 7520-12 (Well Rework Record)  
Proposed Wellbore and P&A Schematics for Monument Federal 14-8-9-17

cc: Letter Only

Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

All Enclosures:

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 WYNKOOP STREET  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

## AUTHORIZATION FOR ADDITIONAL WELL

**UIC Area Permit No: UT20798-00000**

The Beluga Final UIC Area Permit No. UT20798-00000, effective October 25, 1996, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On March 10, 2009, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

Well Name:	<b><u>Monument Federal 14-8-9-17</u></b>
EPA Well ID Number:	<b><u>UT 20798-08393</u></b>
Location:	660' FSL & 660' FWL SW SW Sec. 8 T9S-R17E Duchesne County, Utah API #43-013-31398

Pursuant to 40 CFR §144.33, Area UIC Permit No. UT20798-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20798-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: **AUG 12 2009**

**Stephen S. Tuber**  
\* Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

*\* The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20798-00000  
Well: Monument Federal 14-8-9-17 EPA Well ID: UT20798-08393

Printed on Recycled Paper

## **INJECTION WELL-SPECIFIC REQUIREMENTS**

Well Name: **Monument Federal 14-8-9-17**

EPA Well ID Number: **UT20798-08393**

### **Prior to Commencing Injection Operations, the permittee shall submit the following information:**

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram.
2. Pore pressure calculation of the proposed injection zone;
3. A successful Part I (internal) Mechanical Integrity test (MIT)

Once these records are received and approved by EPA, the Director will provide written authorization to inject for a limited period of 180 days, during which time a Radioactive Tracer Survey (RTS) is required. The RTS will supplement the cementing records, which show an insufficient interval of 80 percent cement bond index or greater through the confining zone, by demonstrating the presence or absence of adequate cement to prevent fluid movement behind the casing above the uppermost perforation. It is intended that a maximum of 180 days of injection will allow the injection zone to achieve the Maximum Allowable Injection Pressure (MAIP) for the purpose of executing the RTS. If 180 days is not sufficient to achieve the MAIP specified in the permit, an extension of the period of Limited Authorization to Inject may be requested.

A successful RTS will be considered a valid confirmation that cementing records show adequate cement to prevent the upward migration of injection fluids from the injection zone at injection pressures up to the MAIP, until one of the following events occurs, at which time a subsequent RTS is required:

- a) If the submitted RTS is determined to be inconclusive or inadequate by EPA
- b) If the MAIP of the injection well is exceeded for any reason (*It is a violation to exceed the MAIP without prior EPA approval*)
- c) If new injection perforations are added to the injection well, either through the creation of new perforations or the adjustment of the packer depth to inject into a set of existing perforations that were previously inactive
- d) If the injection formation is acid-treated, hydraulically stimulated, or stimulated by any other method through the injection well, which may affect the cement integrity of the well
- e) If the Director requests that a RTS be run for any reason

A submitted RTS which indicates the movement of fluid behind casing from the injection zone will result in a requirement to demonstrate Part II Mechanical Integrity using an approved Part II demonstration method such as a temperature log, oxygen activation log, or noise log at a frequency no less than once every five years.

**Approved Injection Zone:** Injection is approved between the top of the Garden Gulch Member of the Green River Formation at 3,568 feet (ft.) to the top of the Wasatch Formation, at an estimated depth of 6,010 ft. (KB).

**Maximum Allowable Injection Pressure (MAIP):** The initial MAIP is **930 psig**, based on the following calculation:

MAIP = [FG - (0.433)(SG)] \* D, where

FG = 0.67 psi/ft. SG = 1.015 D = **4,046 ft.** (top perforation depth KB)

MAIP = **930 psig**

UIC Area Permit No. UT20798-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a Step Rate Test that demonstrates the formation breakdown pressure will not be exceeded.

**Well Construction: Casing and Cementing:** The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c). However, cementing records, including the cement bond log, have not satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

**Well Construction: Tubing and Packer:** 2-7/8" or similar size injection tubing is approved; the packer shall be set at a depth no more than 100 ft. above the top perforation.

**Demonstration of Mechanical Integrity:**

- (1) A successful demonstration of Part I (Internal) Mechanical Integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) Because the cementing records have not satisfactorily demonstrated the presence of adequate cement to prevent migration of injection fluids behind the casing from the injection zone, a RTS is required to confirm the presence of adequate cement. If the RTS is not run, or if the RTS does not confirm adequate cement, the permittee shall demonstrate Part II (External) Mechanical Integrity pursuant to 40 CFR §146.8(a)(2) using an approved test method such as temperature log, noise log or oxygen activation log, and the demonstration of Part II Mechanical Integrity shall be repeated no less than every five years after the last successful test.

**Demonstration of Financial Responsibility:** The applicant has demonstrated financial responsibility by a Financial Statement in the amount of \$59,344 that has been approved by the EPA. The Director may revise the amount required, and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

**Plugging and Abandonment:** The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between USDWs. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Set a cast iron bridge plug (CIBP) no more than 50 ft. above the top perforation with 100 ft. cement plug on top of the CIBP.

PLUG NO. 2: Perforate and squeeze cement up the backside of the 5-1/2" casing across the Trona Zone and the Mahogany Bench from approximately 2,719 ft. to 2,919 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 200-foot balanced cement plug inside the 5-1/2" casing from approximately 2,219 to 2,919 ft. (KB).

PLUG NO. 3: Perforate and squeeze cement up the backside of the 5-1/2" casing across the contact between the Uinta Formation and Green River Formation at 1,377 ft. (KB) unless pre-existing backside cement precludes cement-squeezing this interval. Set a minimum 120-foot plug inside the 5-1/2" casing from approximately 1,317-1,437 ft. (KB).

PLUG NO. 4: Set a Class "G" cement plug within the 5-1/2" casing to 333 ft. and up the 5-1/2" x 8-5/8" casing annulus to the surface.

## **INJECTION WELL-SPECIFIC CONSIDERATIONS**

Well Name: **Monument Federal 14-8-9-17**

EPA Well ID Number: **UT20798-08393**

**Underground Sources of Drinking Water (USDWs):** USDWs in the Beluga Unit Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found at approximately 229 ft. below ground surface in the Monument Federal 14-8-9-17 well.

**http:NRWRT1.NR.STATE.UT.US:** There are no reservoirs, streams, domestic or agricultural water wells within a quarter (1/4) mile of the well.

**Composition of Source, Formation, and Injectate Water: (Total Dissolved Solids [TDS]:**

- TDS of commingled produced water from the Garden Gulch, Douglas Creek, and Castle Peak Members of the Green River Formation Water is 12,281 mg/l (sampled 1/29/09).

- TDS of the Beluga Facility Injection System source water: 8,822 mg/l (sampled 1/6/09).

**Aquifer Exemption:** An aquifer exemption is not required because the TDS of water produced from the proposed injection well is greater than 10,000 mg/l.

**Confining Zone:** The Confining Zone, which directly overlies the Garden Gulch Member of the Green River Formation, is at least 73 ft. of shale between the depths of 3,490 ft. and 3,568 ft. (KB). This confining zone is very likely close to 200 ft. thick but the Gamma Log/CBL available for this well did not cover the entire expected interval.

**Injection Zone:** The Injection Zone at this well location is approximately 2,442 ft. of multiple lenticular sand units interbedded with shale, marlstone and limestone from the top of the Garden Gulch Member at 3,568 ft. to the top of the Wasatch Formation estimated to be at 6,010 ft. (KB). All formation tops are based on correlations to the Newfield Production Federal #1-26-8-17 (UT20702-04671) Type Log.

**Well Construction:** The CBL does not show 80% or greater cement bond index in the Confining Zone (3,490 to 3,568 ft. KB). Thus, further demonstration that well cement is adequate to prevent significant migration of injection fluids behind casing is required.

**Surface Casing:** 8-5/8" casing is set at 283 ft. (KB) in a 12-1/4" hole, using 150 sacks Class "G" cement, cemented to the surface.

**Longstring Casing:** 5-1/2" casing is set at 5,927 ft. (KB) in a 7-7/8" hole secured with 560 sacks of cement. Total driller depth 5,927 ft. Plugged back total depth is 5,365 ft. EPA calculates top of cement at 2,297 ft. Estimated CBL top of cement is 2,230 ft.

**Perforations:** Top perforation: 4,046 ft. (KB) Bottom perforation: 6,010 ft. (KB)

**AREA OF REVIEW (AOR) WELL REQUIREMENTS**

The following five wells that penetrate the confining zone within or proximate to a 1/4 mile radius around the Monument Federal 14-8-9-17 were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs.

Well: Balcron Monument Federal 13-8-9-17      API: 43-013-31382      NWSW Sec. 8-T9S-R17E

Well: Paiute Federal 24-8-9-17      API: 43-013-30675      SESW Sec. 8-T9S-R17E

Well: Beluga Federal X-8-9-17      API: 43-013-33572      SESW Sec. 8-T9S-R17E



Well: Mocon Federal 44-7-9-17      API: 43-013-30666      SESE Sec. 8-T9S-R17E

Well: Paiute Federal 11-17-9-17      API: 43-013-30516      NWNW Sec. 17-T9S-R17E

**Corrective Action Not Required on AOR wells:**

Well: Balcron Monument Federal 13-8-9-17      API: 43-013-31382      NWSW Sec. 8-T9S-R17E  
Base of confining zone is at 5,574 ft. and top is not covered by submitted Gamma/CBL. CBL shows cement present through the confining zone were covered by the Gamma/CBL.

Well: Paiute Federal 24-8-9-17      API: 43-013-30675      SESW Sec. 8-T9S-R17E  
CBL shows cement through the entire confining zone, from 3,355-3,538 ft.

Well: Beluga Federal X-8-9-17      API: 43-013-33572      SESW Sec. 8-T9S-R17E  
CBL shows cement through the entire confining zone, from 3,410-3,510 ft.

Well: Mocon Federal 44-7-9-17      API: 43-013-30666      SESE Sec. 8-T9S-R17E  
CBL shows cement through the entire confining zone, from 3,390-3,570 ft.

Well: Paiute Federal 11-17-9-17      API: 43-013-30516      NWNW Sec. 17-T9S-R17E  
CBL shows cement through the entire confining zone, from 3,358-3,540 ft.

**Reporting of Noncompliance:**

- (a) Anticipated Noncompliance. The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (b) Compliance Schedules. Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than thirty (30) days following each schedule date.
- (c) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five (5) days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause; the period of noncompliance including dates and times; if the noncompliance has not been corrected the anticipated time it is expected to continue; and steps taken or planned to prevent or reduce recurrence of the noncompliance.

**Twenty-Four Hour Noncompliance Reporting:** The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

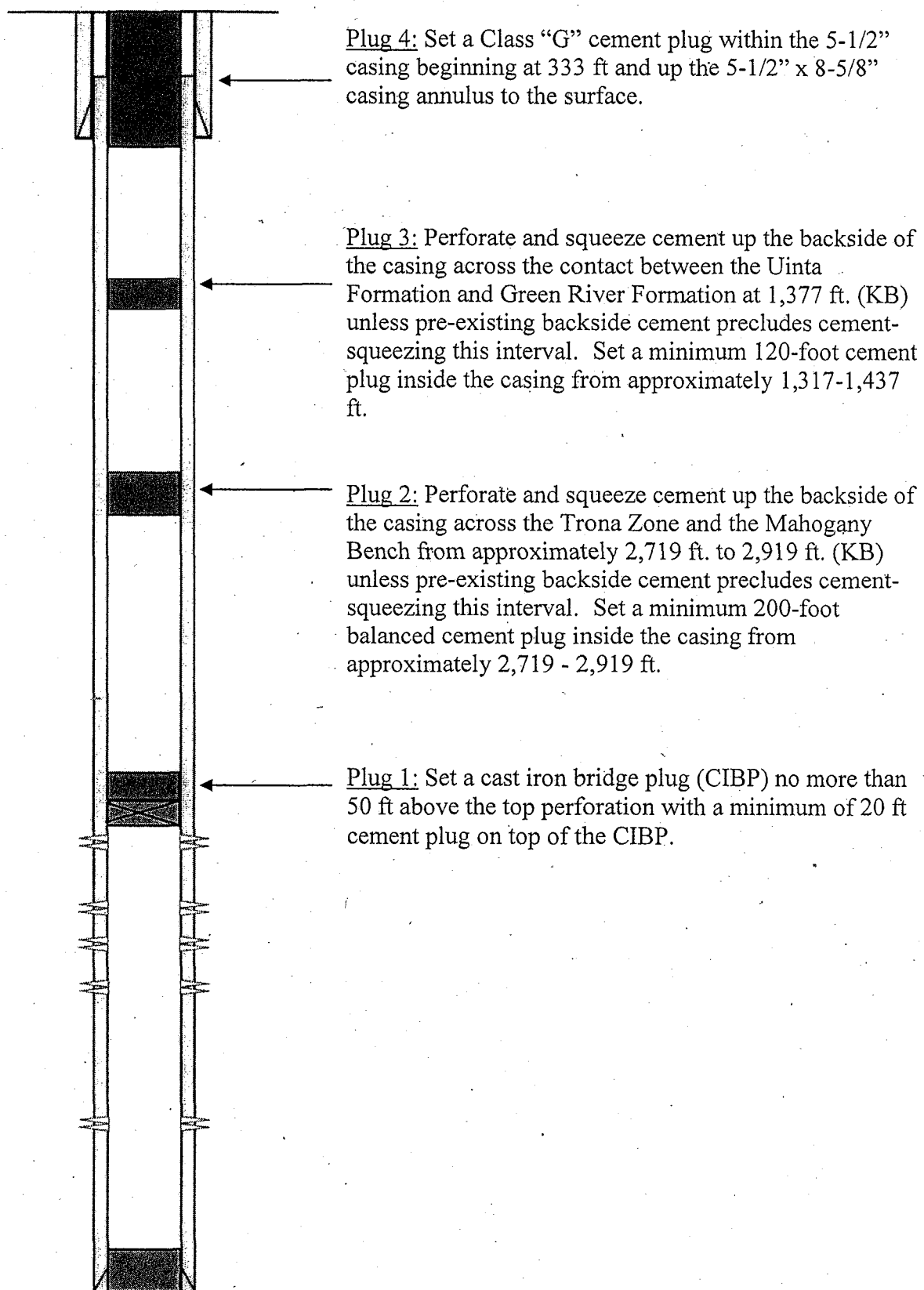
- (a) Any monitoring or other information which indicates that any contaminant may cause an endangerment to a USDW.
- (b) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

**Oil Spill and Chemical Release Reporting:** The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the **NRC website at <http://www.nrc.uscg.mil/index.htm>**

**Other Noncompliance:** The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

**Other Information:** Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two (2) weeks of the time such information became known to him.

## Plugging and Abandonment Diagram for Monument Federal 14-8-9-17



# Federal #14-8-9-17

Spud Date: 9/23/93  
Completion Date: 12/04/93  
GL: 5370.6' KB: 5383.6' KB (13' KB)

Proposed Injection  
Wellbore Diagram

Initial Production: 60 STBOPD,  
300 MSCFPD, 0 STBWP

## SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts. (270')  
DEPTH LANDED: 283' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs "G" + 2% CaCl + 1/4#/sk D-29.

## PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 137 jts. (5916.24')  
DEPTH LANDED: 5927.24' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 170 sxs Hiliift & tailed w/290 sxs "G"  
CEMENT TOP AT: 2230' KB per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 176 jts (5404.68 ft)  
TUBING ANCHOR: 2-7/8" x 5-1/2" 2.80  
NO. OF JOINTS: 2 jts (62.60 ft)  
SEATING NIPPLE: 2-7/8" x 1.10'  
PERFORATED SUB: 2-7/8" x 4.20'  
MUD ANCHOR: 2-7/8" x 30.10'  
TOTAL STRING LENGTH: 5502.35 ft (EOT @ 5505.48' KB)  
SN LANDED AT: 5483.08' KB

Casing Shoe @ 283'

Top  
Green River  
@ 1377'

Cement Top 2230'

Trona  
Top 2769'  
Matagony  
Bench Top  
@ 2815'

(Base Trona)  
unknown

Top Garden  
Gulch @ 3563'

Top Douglas  
Creek @  
4546'

Castle Peak  
@ 5377'

## FRAC JOB

11/11/93 5434' - 5446' Western : w/17,500# 20/40 mesh sand & 13,000# 16/30 mesh sand w/386 bbls 2% KCL wtr. ATP 1320 psi, max 1710 psi. ATR 20 BPM, max 20 BPM. ISIP 1300 psi, 5 min 980 psi, 10 min 930 psi, 15 min 880 psi.

11/13/93 4573' - 4577' & 4628' - 4640' Western : w/26,000# 16/30 mesh sand w/ 4500 gal 2% KCL wtr. ATP 2790 psi, max 2860 psi. ATR 24.8 BPM, max 25.1 BPM. ISIP 1930 psi, 5 min 1660 psi, 10 min 1580 psi, 15 min 1530 psi.

11/14/93 4302' - 4307' Western : w/12,600# 16/30 mesh sand, w/340 bbls 2% KCL wtr. ATP 2750 psi, max 3000 psi. ATR 15 BPM max 20 BPM. ISIP 2250 psi, 5 min 2050 psi, 10 min 1950 psi, 15 min 1870 psi.

2/15/96 4046' - 4048' & 4103' - 4107' BJ Services : 2000 gal 2% KCl gel pad, followed by 3700 gal 2% KCl wtr w/ 24,898# 16/30 sand. Flushed w/ 3990 gal 2% KCl wtr. ATP-2900 psi, Max-3350 psi, ATR-30.2 bpm, Max-30.6 bpm, ISIP-2050 psi, 5min-1450 psi, 10min-1310 psi, 15min-1220 psi, 30min-1050 psi.

## ACID JOB / BREAKDOWN JOB

11/10/93 5434' - 5446' Western -- Breakdown w/ 500 gal 15% HCl acid flushed w/ 2% KCL water. ATP-1500psi, MAX-3200 psi, ATR-4 bpm, Max-6.5 bpm. Initial break @ 3200psi at 2.5 bpm.

11/12/93 4573' - 4577' Western -- Breakdown w/ 3990 gal 2% KCl water & 16 ball sealers. All balls on perms. ATP-2500 psi, MAX-4100 psi, ATR 4 bpm, Max-4 bpm. ISIP-1600psi. Pump for rate 2.8 bpm at 2500 psi.

11/12/93 4628' - 4640' Western -- Breakdown w/ 2% KCl water & 48 ball sealers. Ball action seen. ATP-1850 psi, MAX-2000 psi, ATR 4 bpm, Max-4 bpm. ISIP-1800psi. Pump for rate 6.9 bpm at 2500 psi.

11/14/93 4302' - 4307' Western -- Breakdown w/ 2% KCl water & 20 ball sealers. Balled off. ATP-2000 psi, MAX-2500 psi, ATR-4 bpm, Max-4 bpm. ISIP-1750 psi.

2/15/96 4103' - 4107' BJ Services - Breakdown w/ 4714 gal 2% KCl water & 16 ball sealers. Balled Out. ATP-3250 psi, Max-5000 psi, ATR-3.5 bpm, Max-4.2 bpm, ISIP - 1900 psi.

2/15/96 4046' - 4048' BJ Services - Breakdown w/ 2100 gal 2% KCl water & 12 ball sealers. Balled Out. ATP-2700 psi, Max-5000 psi, ATR-4.2 bpm, Max-4.5 bpm, ISIP - 1400 psi.

## PERFORATION RECORD

Date	Company	Interval	Holes	Y1	Y2
2/13/96	Schlumberger	4046' - 4048'	6 Holes	Y2	
		4103' - 4107'	8 Holes	Y3	
11/14/93	Schlumberger	4302' - 4307'	(5 ft)	2 SPF	10 Holes Y5
11/12/93	Schlumberger	4573' - 4577'	(4 ft)	2 SPF	8 Holes R1
		4628' - 4640'	(13 ft)	2 SPF	26 Holes R2
11/10/93	Schlumberger	5434' - 5446'	(12 ft)	2 SPF	24 Holes B1

Packer @ 4011'

4046' - 4048'

4103' - 4107'

4302' - 4307'

4573' - 4577'

4628' - 4640'

5434' - 5446'

Basal Carbonate @ 5810

EOT @ 5518'

PBTD @ 5878'

TD @ 5927'

## NEWFIELD

Federal #14-8-9-17  
660' FSL 660' FWL  
SW/SW Section 8-T9S-R17E  
Duchesne Co, Utah  
API #43-013-31398; Lease #UTU-74108

Wasatch estimated at 6010'



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

AUG 06 2010

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

43 013 31398  
95 17E 8

Mr. Eric Sundberg  
Regulatory Analyst  
Newfield Production Company  
1001 Seventeenth Street – Suite 2000  
Denver, CO 80202

RE: Underground Injection Control (UIC)  
One Year Extension of UIC Permits

Dear Mr. Sundberg:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) August, 3, 2010, letter requesting a one year extension of five UIC Permits. EPA hereby grants an extension of one year from the date of expiration, to construct or convert wells under the following UIC Permits and Add Well Authorizations:

UIC Permit Number	Well Name	New Date of Expiration
UT20642-08443	Federal 23-5J-9-17	8/11/2011
UT20798-08393	→ Federal 14-8-9-17	8/12/2011
UT20776-08406	Federal 21-10Y-9-17	8/13/2011
UT20853-08411	Federal 13-15H-9-17	8/13/2011
UT20771-08467	Pleasant Valley 7-9-9-17	8/24/2011

If you have questions regarding the above action, please call Jason Deardorff at 303-312-6583 or 1-800-227-8917, ext. 312-6583.

Sincerely,

for Stephen S. Tuber  
Assistant Regional Administrator  
Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Frances Poowegup, Vice-chairwoman  
Phillip Chimburas, Councilman  
Stewart Pike, Councilman  
Irene Cuch, Councilwoman  
Richard Jenks, Jr., Councilman

Daniel Picard  
BIA - Uintah & Ouray Indian Agency

Mike Natchees  
Environmental Coordinator  
Ute Indian Tribe

Manual Myore  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Brad Hill  
Acting Associate Director  
Utah Division of Oil, Gas, and Mining  
Fluid Minerals Engineering Office  
BLM - Vernal Office

Michael Guinn  
District Manager  
Newfield Production Company  
Myton, Utah

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-7978
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		8. WELL NAME and NUMBER: FEDERAL 14-8
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		9. API NUMBER: 43013313980000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 08 Township: 09.0S Range: 17.0E Meridian: S		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input checked="" type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input checked="" type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION	OTHER: <input type="text" value="New Perforations"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/28/2012				
<input type="checkbox"/> SPUD REPORT Date of Spud:				
<input type="checkbox"/> DRILLING REPORT Report Date:				

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 12/28/2012. New intervals added: CP5 5745-5750' 3JSPF, CP3 5615-5619' 3JSPF, & A3 5049-5054' 3JSPF. On 12/28/2012 the casing was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-08393

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 January 10, 2013

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 1/7/2013



# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_

Date: 12/28/2012Test conducted by: Cody Marx

Others present: \_\_\_\_\_

Well Name: <u>Federal 14-8-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>SW/SW</u> Sec: <u>8</u> T <u>9</u> N <u>(S)</u> R <u>17E</u> W County: <u>Duchesne</u> State: <u>Ut.</u>		
Operator: <u>Cody Marx</u>		
Last MIT: <u>/ /</u>	Maximum Allowable Pressure: _____	PSIG

Is this a regularly scheduled test? ☐ Yes ☒ NoInitial test for permit? ☒ Yes ☐ NoTest after well rework? ☐ Yes ☒ NoWell injecting during test? ☐ Yes ☒ No

If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 1420 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING</b>	<b>PRESSURE</b>		
Initial Pressure	<u>100</u> psig	psig	psig
End of test pressure	<u>100</u> psig	psig	psig
<b>CASING / TUBING</b>	<b>ANNULUS PRESSURE</b>		
0 minutes	<u>1420</u> psig	psig	psig
5 minutes	<u>1420</u> psig	psig	psig
10 minutes	<u>1420</u> psig	psig	psig
15 minutes	<u>1420</u> psig	psig	psig
20 minutes	<u>1420</u> psig	psig	psig
25 minutes	<u>1420</u> psig	psig	psig
30 minutes	<u>1420</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

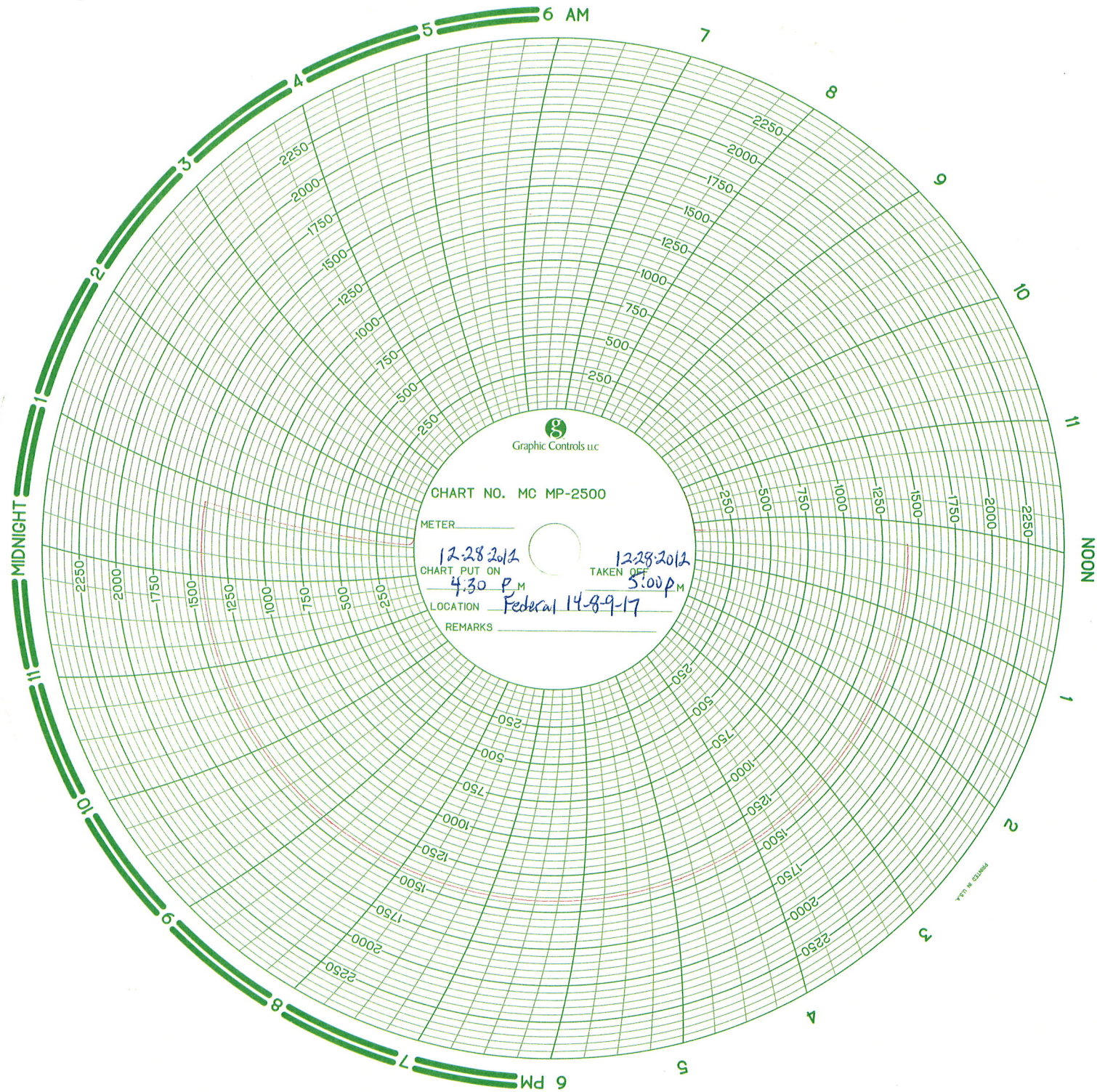
Does the annulus pressure build back up after the test? ☐ Yes ☐ No

## MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: \_\_\_\_\_







## Daily Activity Report

Format For Sundry

FEDERAL 14-8-9-17

10/1/2012 To 2/28/2013

**12/14/2012 Day: 1**

**Conversion w/ OAP**

Nabors #1423 on 12/14/2012 - MIRUSU, Unseat pump unable to flush Pooh L/D rods - H/O PUMPED 65 BBLS DOWN CSG BEFORE WE GOT THERE - R/D HORSE HEAD - L/D POLISH ROD - BEAT ON ROD PUMP - PUMP WOULDN'T COME OFF SEAT - P/U POLISH ROD - H/O PUMPED ANOTHER 65 BBLS DOWN CSG - L/D POLISH ROD - WORK ROD STRING - PUMP CAME OFF SEAT - L/D SUBS - L/D 3 RODS - H/O PUMPED 2 BBLS - PRESSURED UP TO 700 PSI - RATIGAN BEGAN TO LEAK - P/U POLISH ROD - WORK ROD STRING FOR 20 MINUTES WHILE TRYING TO MOVE FLUID WITHOUT ANY LUCK - SOFT SEATED PUMP - PRESSURED TBG UP TO 3500 PSI TRYING TO BLOW A HOLE - TBG HELD - UNSEATED PUMP - - ROAD RIG FROM 5-21-9-16 - SPOT IN T-SILL - SPOT IN RIG - RIG UP -

**Daily Cost:** \$0

**Cumulative Cost:** \$0

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**12/17/2012 Day: 2**

**Conversion w/ OAP**

Nabors #1423 on 12/17/2012 - Pooh w/ rods N/D wellhead N/U BOP rls TAC start OOH w/ breaking & doping collars - CREW TRAVEL AND JSP MEETING - CHANGE OVER FOR TBG - N/D WELLHEAD - P/U ON TBG - TAC NOT SET - N/U BOPS - R/U WORKFLOOR - R/U TBG EQUIPMENT - P/U 11 JTS - TAG FILL @ 5862' - 16' OF FILL - L/D 11 JTS - - POOH W/ 60 JTS - BREAKING AND DOPING EACH COLLAR - SWIFW - H/O PUMPED 150 BBLS DOWN THE CSG AND THEN TRIED TO FLUSH THE RODS AGAIN BUT STILL COULDN'T FLUSH RODS - CONTINUED TO TRY FLUSHING RODS WHILE WORKING RODS UP AND DOWN - STILL COULDN'T FLUSH RODS - - L/D POLISH ROD - N/U STRIPPING TABLE - L/D 100 RODS - GRADUALLY STARTED PULLING OVER MORE AND MORE AS WE PULLED OUT OF HOLE - STOPPED AND PUMPED ANOTHER 45 BBLS DOWN CSG W/ H/O - CONT. PULLING RODS SLOW -- ROD DETAIL AS FOLLOWS - 2, 4, 6, & 8' 3/4" PONY RODS - (208) 3/4" PLAIN RODS - (8) 3/4" 4 PER GUIDED RODS - (1) 1 1/4" WT BARS - (1) 3' x 1" STAB SUB - NO SCALE ON RODS - LIGHT SCALE ON DIP TUBE ON PUMP - - N/D FLOW TEE - HOOKED H/O UP DIRECTLY TO TBG - H/O PUMPED 45 BBLS @ 3/4 BPM - PRESSURED UP TO 2500 PSI AND GRADUALLY LOST PRESSURE AS HE PUMPED MORE FLUID -

**Daily Cost:** \$0

**Cumulative Cost:** \$14,600

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**12/18/2012 Day: 3**

**Conversion w/ OAP**

Nabors #1423 on 12/18/2012 - CONT. OOH W/ TBG. PERF CP-5, 5745-50' CP-3, 5615-19' & THE A-3 5049-54' START IN HOLE W/ RBP & PKR - SICP 0 PSI - SITP 0 PSI - OPEN WELL - P/U 63 JTS - - SICP 0 PSI - SITP 0 PSI - OPEN WELL - P/U 63 JTS - - POOH 22 JTS - SET RBP @ 5080' - POOH W/ 2 JTS - SET PKR @ 5004' - FILL TBG W/ 7 BBLS - STAGE 3 PERFS BROKE @ 2350 PSI - PUMPED ANOTHER 3 BBLS @ 2200 PSI - RELEASE TOOLS - RIH - SET RBP @ 5649' - SET PKR @ 5573' - STAGE 2 PERFS BROKE @ 4900 PSI - PUMPED ANOTHER 3 BBLS @ 2500 PSI - RIH - SET RBP @ 5776' - SET PKR @ 5700' - STAGE 1 PERFS BROKE @ 3600 PSI - PUMPED ANOTHER 3 BBLS @ 1500 PSI - RELEASE PKR - M/U FRAC VALVE - SWIFN - - POOH 22 JTS - SET RBP @ 5080' - POOH W/ 2 JTS - SET PKR @ 5004' - FILL TBG W/ 7 BBLS - STAGE 3 PERFS BROKE @ 2350 PSI - PUMPED ANOTHER 3 BBLS @ 2200 PSI - RELEASE TOOLS - RIH - SET RBP @ 5649' - SET PKR @ 5573' - STAGE 2 PERFS BROKE @ 4900 PSI - PUMPED ANOTHER 3 BBLS @ 2500 PSI - RIH - SET RBP @ 5776' - SET PKR @ 5700' - STAGE

1 PERFS BROKE @ 3600 PSI - PUMPED ANOTHER 3 BBLS @ 1500 PSI - RELEASE PKR - M/U FRAC VALVE - SWIFN - - CREW TRAVEL AND JSP MEETING - CREW TRAVEL AND JSP MEETING - P/U & RIH W/ "TS" RBP & "HD" PKR FOLLOWED BY 119 JTS - EOT @ 3808' - SWIFN - - P/U & RIH W/ "TS" RBP & "HD" PKR FOLLOWED BY 119 JTS - EOT @ 3808' - SWIFN - - R/U THE PERFORATORS W/L - RIH W/ 3-1/8 PERF GUNS SHOOT THE CP-5, 5745-50' CP-3, 5615-19' & THE A-3 5049-54' W/ 3 SPF & 120 PHASING - POOH R/D SAME - R/U THE PERFORATORS W/L - RIH W/ 3-1/8 PERF GUNS SHOOT THE CP-5, 5745-50' CP-3, 5615-19' & THE A-3 5049-54' W/ 3 SPF & 120 PHASING - POOH R/D SAME - SICP 0 PSI - SITP 0 PSI - OPEN WELL - CONT. POH BREAKING AND DOPING COLLARS - STAND BACK 130 JTS FOR INJECTION TBG - L/D BTM 49 JTS - (176 JTS TAC, 2 JTS, S/N, PERF SUB, 1 JT) - SICP 0 PSI - SITP 0 PSI - OPEN WELL - CONT. POH BREAKING AND DOPING COLLARS - STAND BACK 130 JTS FOR INJECTION TBG - L/D BTM 49 JTS - (176 JTS TAC, 2 JTS, S/N, PERF SUB, 1 JT) - CREW TRAVEL AND JSP MEETING - CREW TRAVEL AND JSP MEETING

**Daily Cost:** \$0

**Cumulative Cost:** \$22,000

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**12/20/2012 Day: 6**

**Conversion w/ OAP**

Nabors #1423 on 12/20/2012 - RU Baker & Frac CP-5 formation, Flow back well, Move tools for next stg. - CREW TRAVEL AND JSP MEETING - WAITED FOR FRAC CREW TO ARRIVE - FRAC NOT COMING TODAY - 4 HR MIN - WAITED FOR FRAC CREW TO ARRIVE - FRAC NOT COMING TODAY - 4 HR MIN - CREW TRAVEL HOME - CREW TRAVEL HOME - Wait on Baker Hughes, Multiple pieces of equip froze up - Wait on Baker Hughes, Multiple pieces of equip froze up - RU Baker frac equip, Hold safety meeting, Press test iron to 8200 psi, Break down CP-5 formation @ 2406 psi, w/ 10.8 bbls water @ 1.2 bpm, Pump 12 bbls 15% HCL, Pump 77.5 bbls fresh water to get to rate & acid on perfs, Pump 15 bbls pad, Pump 50.8 bbls 1-2# sand (ramped), Pump 112.4 bbls 2-4# (ramped), Flush w/ 32.8 bbls fresh water, ISIP 1983 pswi, FG .78, Max psi 5217, Avg psi 4076, Max rate 16.2 bpm, Avg rate 14.7 bpm, Pumped 14,878# 20/40 white sand, Pumped 297.3 total bbls fluid. ( One pump would not stay running, pumped job under rate) - RU Baker frac equip, Hold safety meeting, Press test iron to 8200 psi, Break down CP-5 formation @ 2406 psi, w/ 10.8 bbls water @ 1.2 bpm, Pump 12 bbls 15% HCL, Pump 77.5 bbls fresh water to get to rate & acid on perfs, Pump 15 bbls pad, Pump 50.8 bbls 1-2# sand (ramped), Pump 112.4 bbls 2-4# (ramped), Flush w/ 32.8 bbls fresh water, ISIP 1983 pswi, FG .78, Max psi 5217, Avg psi 4076, Max rate 16.2 bpm, Avg rate 14.7 bpm, Pumped 14,878# 20/40 white sand, Pumped 297.3 total bbls fluid. ( One pump would not stay running, pumped job under rate) - RU flow back equip, Open well on 20 choke, Recover 85 bbls fluid - RU flow back equip, Open well on 20 choke, Recover 85 bbls fluid - Release pkr & circ tbg clean w/ 40 bbls, Break out frac valve, TIH w/ 2-jts tbg & circ 20' sand off plug, Realease plug, TOO H w/ 4-jts tbg & set plug @ 5649', TOO H w/ 2-jts tbg, PKR @ 5578', Dump 5 gal diesel down tbg, MU frac valve, SWIFN, Drain pump & lines - Release pkr & circ tbg clean w/ 40 bbls, Break out frac valve, TIH w/ 2-jts tbg & circ 20' sand off plug, Realease plug, TOO H w/ 4-jts tbg & set plug @ 5649', TOO H w/ 2-jts tbg, PKR @ 5578', Dump 5 gal diesel down tbg, MU frac valve, SWIFN, Drain pump & lines - Crew Travel - Crew Travel - CREW TRAVEL AND JSP MEETING

**Daily Cost:** \$0

**Cumulative Cost:** \$39,650

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**12/21/2012 Day: 7**

**Conversion w/ OAP**

Nabors #1423 on 12/21/2012 - Frac CP-3 & A-3 formations - RU Baker Frac Equip, Hold pre-job safety meeting, Break down CP-3 formation @ 4730 psi w/ 3.8 bbls @ 1.3 bpm, Pump 12 bbls 15% HCL, Pump 19.4 bbls and well locked up & press out pumps to 9500 psi, Check out equip, Re-test lines, Pump on well but press out w/ 2 bbls pumped, Bleed back press & try on more time. Still could not pump into well, Acid 12 bbls from perfs. - Release pkr PU 2- jts tbg

to clear perfs, LD 1-jt tbg & RU rig pump & spot acid on perfs, LD 1-jt tbg & re-set pkr for frac. - RU Baker frac equip, Test lines to 7000 psi, Try to pump into perfs again, Taking fluid, Had to shut down due to x- link issues, Get x- link going, Start job, Frac CP-3 formation, Pumped 12 bbls 15% HCL, Pumped 155.3 bbls fresh water to get to rate & x-link, Pumped 15 bbls gelled pad, Pumped 47.6 bbls 1-2# sand (ramprd), Pumped 107.2 bbls 2-4# sand (ramped), Flushed w/ 32 bbls, Max press 5187 psi, Avg press 3411 psi, Max rate 15.2 bpm, Avg rate 15.2 bpm, ISIP 2070 psi, FG .80, Pumped ttl of 13,577# sand in formation, Pumped ttl of 369 bbls fluid. - RD Baker frac equip, RU flow back equip, Open well on 20 choke, Flow back 90 bbls, Release pkr & circ tbgt clean, PU 2-jts tbg, Tag 15' sand, Circulate sand off plug, Release plug, TOOH w/ 18-jts tg, Set plug @ 5073', LD 2-jts tbg, MU frac valve & set pkr @ 5009' - RU Baker frac equip, Hold safety meeting, Press test iron to 4000 psi, Break down A-3 formation @ 3356 psi, w/ 1.1 bbls water @ 2.4 bpm, Pump 12 bbls 15% HCL, Pump 67.5 bbls fresh water to get to rate & acid on perfs, Pump 15 bbls to get x-link, Pump 47.6 bbls 1-2# sand (ramped), Pump 106.8 bbls 2-4# (ramped), Flush w/ 29 bbls fresh water, ISIP 2524 psi, FG .93, Max psi 4785, Avg psi 4000, Max rate 15.3 bpm, Avg rate 15.3 bpm, Pumped 14,722# 20/40 white sand, Pumped 278 total bbls fluid. - RD Baker frac equip, RU flow back equip, Open well on 20 choke & flow back, Flow back 100 bbls fluid, SWI, Drain pump & flow back lines. - Crew Travel - Crew Travel & Safety Meeting

**Daily Cost:** \$0

**Cumulative Cost:** \$115,473

## 12/27/2012 Day: 8

## Conversion w/ OAP

Nabors #1423 on 12/27/2012 - Release pkr & plug, LD N-80 work string, TIH w/ conversion string - RIH W/ 22 JTS OF WORKSTRING FROM THE DERRICK - L/D 182 JTS - L/D TOOLS - STOPPED 1/2 WAY OUT AND FLUSHED TBG CLEAN - THAW WELL - SICP 0 PSI - STIP 0 PSI - OPEN WELL - REASSEMBLE PUMP AND PUMP LINES - FILL CSG WITH 25 BBLS - PRESSURE UP ON CSG 500 PSI - RELEASE PKR - CIRCULATE WELL W/ 60 BBLS - L/D FRAC VALVE - P/U 2 JTS - TAG FILL 15' ABOVE PLUG - CIRCULATE DOWN TO PLUG - CIRCULATE 60 BBLS - RELEASE PLUG - CREW TRAVEL AND JSP MEETING - CREW TRAVEL HOME - FLUSH TBG W/ 30 BBLS - WELL WAS CIRCULATING - DROP STANDING VALVE - PUMP STANDING VAVLE TO BTM - PRESSURE TBG UP TO 3000 PSI - SWIFN - M/U BHA -TIH W/ TBG AS FOLLOWS: 2 3/8" W/L RE-ENTRY GUIDE, 1.875 XN NIPPLE, 2 3/8" X 4' PUP JT, 5 1/2" ARROWSET 1X PKR W/ 2.31 X SEAL NIPPLE, 2 7/8" X 5 1/2" ON/OFF TOOL, 2 7/8" S/N - RIH W/ 130 JTS 2 7/8" TBG

**Daily Cost:** \$0

**Cumulative Cost:** \$148,678

## 12/28/2012 Day: 10

## Conversion w/ OAP

Nabors #1423 on 12/28/2012 - Finish csg test, RDMO - CREW TRAVEL HOME - CREW TRAVEL AND JSP MEETING - CREW TRAVEL HOME - RIG DOWN - PULL RIG FORWARD - - RIG DOWN - PULL RIG FORWARD - - SICP 250 PSI - CHANGE LEAKING WELLHEAD VALVE - PRESSURE CSG UP TO 1600 PSI - WATCH PRESSURE UNTIL WE GOT A 30 MINUTES 0 PSI @ 1550 PSI @ 12:30 - SICP 250 PSI - CHANGE LEAKING WELLHEAD VALVE - PRESSURE CSG UP TO 1600 PSI - WATCH PRESSURE UNTIL WE GOT A 30 MINUTES 0 PSI @ 1550 PSI @ 12:30 - WAIT FOR H/O TO THAW OUT HIS TRUCK SO THAT HE COULD THAW THE WELL OUT - SICP 250 PSI - WAIT FOR H/O TO THAW OUT HIS TRUCK SO THAT HE COULD THAW THE WELL OUT - SICP 250 PSI - CREW TRAVEL AND JSP MEETING - CREW TRAVEL AND JSP MEETING - CREW TRAVEL HOME - CREW TRAVEL HOME - N/D WELLHEAD - SET PKR - LAND TBG IN 15000#'S TENSION - PKR @ 3989' C.E.- N/U WELLHEAD - PRESSURE CSG UP TO 1700 PSI - AFTER 1 HR CSG PRESSURE BLED DOWN TO 1550 PSI - SIWFN - N/D WELLHEAD - SET PKR - LAND TBG IN 15000#'S TENSION - PKR @ 3989' C.E.- N/U WELLHEAD - PRESSURE CSG UP TO 1700 PSI - AFTER 1 HR CSG PRESSURE BLED DOWN TO 1550 PSI - SIWFN - RIG DOWN FLOOR - N/D BOPS - N/U WELLHEAD - PUMP 60 BBLS PKR FLUID - RIG DOWN FLOOR - N/D

BOPS - N/U WELLHEAD - PUMP 60 BBLS PKR FLUID - R/U FISHING TOOL ON SANDLINE - RIH AND FISH STANDING VALVE - L/D FISH AND SANDLINE - R/U FISHING TOOL ON SANDLINE - RIH AND FISH STANDING VALVE - L/D FISH AND SANDLINE - THAW WELL W/ HOT OILER - SICP 0 PSI - SITP 2400 PSI - PUMP TBG BACK UP TO 3000 PSI - PUMPED TBG BACK UP TO 3000 PSI 10 TIMES BEFORE GETTING A 0 LOSS 30 MINUTE TEST @ 12:30 - THAW WELL W/ HOT OILER - SICP 0 PSI - SITP 2400 PSI - PUMP TBG BACK UP TO 3000 PSI - PUMPED TBG BACK UP TO 3000 PSI 10 TIMES BEFORE GETTING A 0 LOSS 30 MINUTE TEST @ 12:30 - CREW TRAVEL AND JSP MEETING

**Daily Cost:** \$0

**Cumulative Cost:** \$163,830

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**1/2/2013 Day: 11**

**Conversion w/ OAP**

Rigless on 1/2/2013 - Conduct initial MIT - On 12/27/2012 Jason Deardorff with the EPA was contacted concerning the initial MIT on the above listed well. On 12/28/2012 the casing was pressured up to 1420 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 100 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-08393 **Finalized**

**Daily Cost:** \$0

**Cumulative Cost:** \$286,564

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**Pertinent Files: [Go to File List](#)**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-007978
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> FEDERAL 14-8
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FSL 0660 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSW Section: 08 Township: 09.0S Range: 17.0E Meridian: S		<b>9. API NUMBER:</b> 43013313980000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/17/2013	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="Put on Injection"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The above reference well was put on injection at 2:10 PM on 01/17/2013. EPA # UT22197-09842		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> January 24, 2013		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/18/2013	



## NEWFIELD

## Schematic

Well Name: **Federal 14-8-9-17**

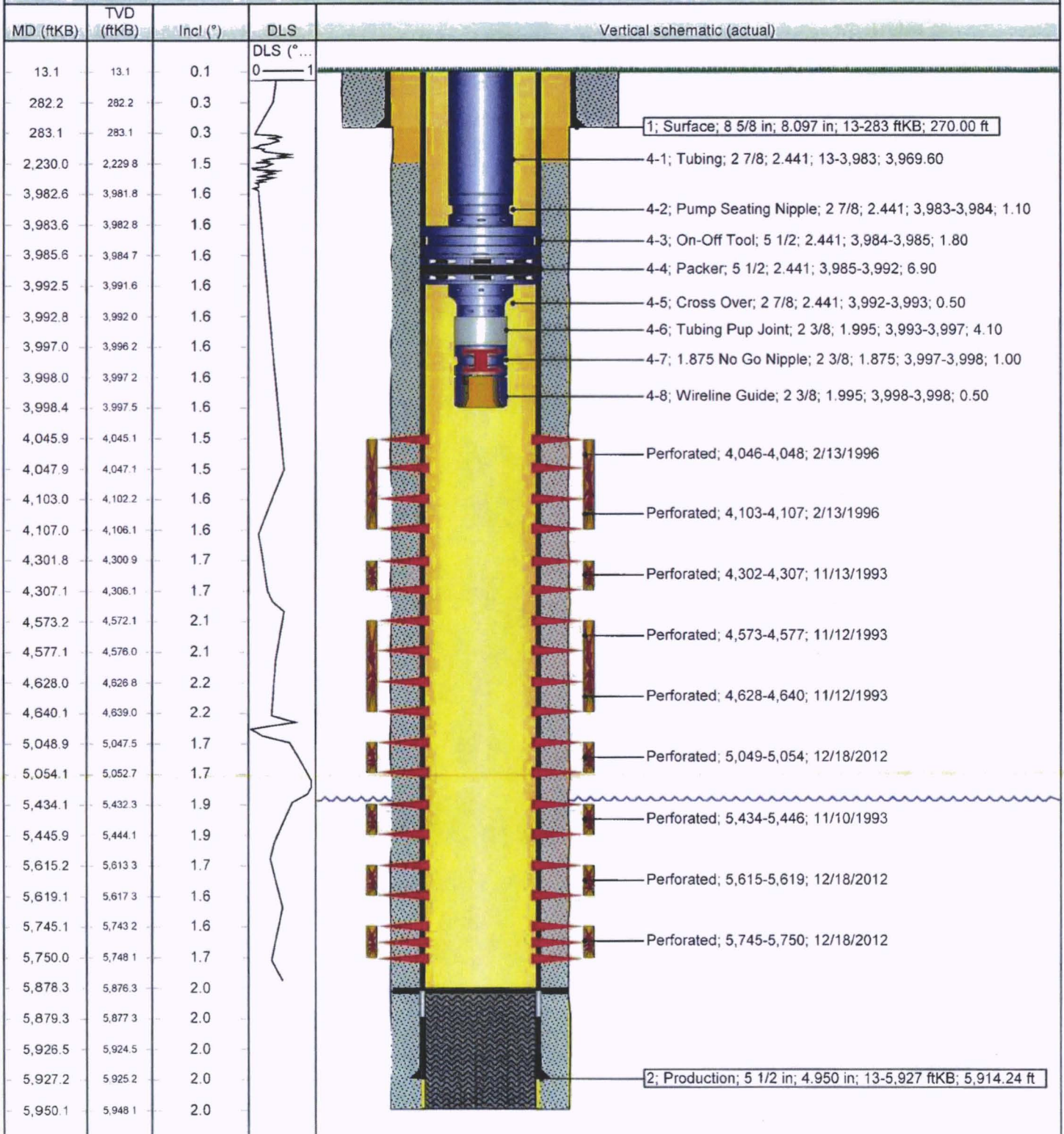
Surface Legal Location		API/UWI		Well RC	Lease	State/Province	Field Name	County
08-9S-17E		43013313980000		500151610		Utah	GMBU CTB6	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)		PBD (All) (ftKB)	
9/29/1993	11/2/1993	12/4/1993	5,384	5,371			Original Hole - 5,878.4	

## Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Production / Workover	Conversion	OAP	12/13/2012	12/17/2012

TD: 5,950.0

Vertical - Original Hole, 7/7/2015 1:13:34 PM



# NEWFIELD



## Newfield Wellbore Diagram Data Federal 14-8-9-17

Surface Legal Location 08-9S-17E		API/UWI 43013313980000		Lease	
County Duchesne	State/Province Utah		Basin	Field Name GMBU CTB6	
Well Start Date 9/29/1993	Spud Date 9/29/1993		Final Rig Release Date 11/2/1993	On Production Date 12/4/1993	
Original KB Elevation (ft) 5,384	Ground Elevation (ft) 5,371	Total Depth (ftKB) 5,950.0		Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,878.4

### Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	10/1/1993	8 5/8	8.097	24.00	J-55	283
Production	11/2/1993	5 1/2	4.950	15.50	K-55	5,927

### Cement

#### String: Surface, 283ftKB 10/1/1993

Cementing Company	Top Depth (ftKB) 13.0	Bottom Depth (ftKB) 283.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 150	Class G	Estimated Top (ftKB) 13.0

#### String: Production, 5,927ftKB 11/2/1993

Cementing Company Dowell Schlumberger	Top Depth (ftKB) 2,230.0	Bottom Depth (ftKB) 5,950.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description	Fluid Type Lead	Amount (sacks) 170	Class HILIFT	Estimated Top (ftKB) 2,260.0
Fluid Description	Fluid Type Tail	Amount (sacks) 290	Class G	Estimated Top (ftKB) 4,105.0

### Tubing Strings

Tubing Description					Run Date	Set Depth (ftKB)		
Tubing					12/26/2012	3,998.5		
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	129	2 7/8	2.441	6.50	J-55	3,969.60	13.0	3,982.6
Pump Seating Nipple		2 7/8	2.441			1.10	3,982.6	3,983.7
On-Off Tool		5 1/2	2.441			1.80	3,983.7	3,985.5
Packer		5 1/2	2.441			6.90	3,985.5	3,992.4
Cross Over		2 7/8	2.441			0.50	3,992.4	3,992.9
Tubing Pup Joint	1	2 3/8	1.995	4.70	J-55	4.10	3,992.9	3,997.0
1.875 No Go Nipple		2 3/8	1.875			1.00	3,997.0	3,998.0
Wireline Guide		2 3/8	1.995			0.50	3,998.0	3,998.5

### Rod Strings

Rod Description				Run Date		Set Depth (ftKB)	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

### Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (")	Nom Hole Dia (in)	Date
4	Y2, Original Hole	4,046	4,048	3			2/13/1996
4	Y3, Original Hole	4,103	4,107	3			2/13/1996
3	Y5, Original Hole	4,302	4,307	2			11/13/1993
2	R1, Original Hole	4,573	4,577	2			11/12/1993
2	R2, Original Hole	4,628	4,640	2			11/12/1993
5	A3, Original Hole	5,049	5,054	3	120	0.340	12/18/2012
1	B1, Original Hole	5,434	5,446	2			11/10/1993
5	CP3, Original Hole	5,615	5,619	3	120	0.340	12/18/2012
5	CP5, Original Hole	5,745	5,750	3	120	0.340	12/18/2012

### Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	1,300		20.0	1,710			
2	1,930		25.1	2,860			
3	2,250		20.0	3,000			
4	2,050		30.6	3,350			
5	1,983	0.78	16.0	5,217			
6	2,070	0.8	15.0	5,187			
7	2,524	0.93	15.0	4,785			

### Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant Sand 30500 lb





Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
2		Proppant Sand 26000 lb
3		Proppant Sand 12600 lb
4		Proppant Sand 24898 lb
5		Proppant White Sand 14787 lb
6		Proppant White Sand 13577 lb
7		Proppant White Sand 14722 lb



WELL NAME: Balcron Monument Federal #14-8  
FIELD: Monument Butte - Beluga Unit  
FEDERAL LEASE NO.: U-007978  
LOCATION: SW SW Sec.8, T9S, R17E  
FOOTAGE: 660' FSL, 660' FWL  
COUNTY/STATE: Duchesne County, Utah  
WORKING INTEREST: 1.00  
PRODUCING FORMATION: Green River  
COMPLETION DATE: 12/4/93  
INITIAL PRODUCTION: 60 STBOPD, 300 MSCFPD, 0 STBWP  
OIL/GAS PURCHASER: Amoco  
PRESENT PROD STATUS: Producing Oil Well  
ELEVATIONS - GROUND: 5370.6' GL  
TOTAL DEPTH: 5950' KB

DATE : 3/21/96 vk  
API NO.: 43-013-31398

#### NET REVENUE INTEREST:

SPUD DATE: 9/29/93  
OIL GRAVITY: 43  
BHT: 129 DegF

KB: 5383.6' KB (13' KB)  
PLUG BACK TD: 5878' KB

#### SURFACE CASING

STRING: 1  
CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts (270 ft)  
DEPTH LANDED: 283' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" + 2%  
CaCl + 1/4 #/sk D-29

#### TUBING RECORD

SIZE/GRADE/WT.: 2-7/8" / J-55 / 8.5#  
NO. OF JOINTS: 130 jts (3988.32 ft)  
TUBING ANCHOR: 2-7/8" x 5-1/2" (2.35 ft) 10" tension  
NO. OF JOINTS: 45 jts (1476.28 ft)  
SEATING NIPPLE: 2-7/8" x 1.10'  
PERFORATED SUB: 2-7/8" x 4.20'  
MUD ANCHOR: 2-7/8" x 30.10'  
TOTAL STRING LENGTH: 5502.35 ft (EOT @ 5515.35' KB)  
SN LANDED AT: 5481.05' KB

#### SUCKER ROD RECORD

POLISHED ROD: 1-1/4" x 22' Polish Rod  
SUCKER RODS: two - 3/4" x 2' Pony  
one - 3/4" x 6' Pony  
one - 3/4" x 8' Pony  
217 - 3/4" x 25' D-61 Plain

TOTAL STRING LENGTH: 5459.5 ft

PUMP NUMBER: Trico #1016  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC  
w/ PA plunger

STROKE LENGTH: 84 in  
PUMP SPEED, SPM: 3 SPM  
PUMPING UNIT SIZE: LUFKIN C-320-246-86  
PRIME MOVER: AJAX E-42

LOGS: Dual Laterolog, Compensated Neutron  
LithoDensity, Cement Bond Log w/  
Variable Density

#### PRODUCTION CASING

STRING: 1  
CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 137 jts (5916.24 ft)  
DEPTH LANDED: 5927.24' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 170 sxs Hillift tailed by 290 sxs "G"  
CEMENT TOP AT: 2230' KB per CBL

#### PERFORATION RECORD

2/13/96	Schlumberger	4046' - 4048'	6 Holes	Y2
		4103' - 4107'	8 Holes	Y3
11/14/93	Schlumberger	4302' - 4307'	(5 ft)	2 SPF 10 Holes Y5
11/12/93	Schlumberger	4573' - 4577'	(4 ft)	2 SPF 8 Holes R1
		4628' - 4640'	(13 ft)	2 SPF 26 Holes R2
11/10/93	Schlumberger	5434' - 5446'	(12 ft)	2 SPF 24 Holes B1

#### ACID JOB / BREAKDOWN JOB

11/10/93	5434' - 5446'	Western -- Breakdown w/ 500 gal 15% HCl acid flushed w/ 2% KCL water. ATP-1500psi, MAX-3200 psi, ATR-4 bpm Max-6.5 bpm. Initial break @ 3200psi at 2.5 bpm.
11/12/93	4573' - 4577'	Western -- Breakdown w/ 3990 gal 2% KCl water & 16 ball sealers. All balls on perfs. ATP-2500 psi, MAX-4100 psi, ATR 4 bpm, Max-4 bpm. ISIP-1600psi. Pump for rate 2.8 bpm at 2500 psi
11/12/93	4628' - 4640'	Western -- Breakdown w/ 2% KCl water & 48 ball sealers. Ball action seen. ATP-1850 psi, MAX-2500 psi, ATR 4 bpm, Max-4 bpm. ISIP-1800psi. Pump for rate 6.9 bpm at 2500 psi
11/14/93	4302' - 4307'	Western -- Breakdown w/ 2% KCl water & 20 ball sealers. Balled off. ATP-2000 psi, MAX-2500 psi, ATR-4 bpm, Max-4 bpm. ISIP-1750 psi.
2/15/96	4103' - 4107'	BJ Services - Breakdown w/ 4714 gal 2% KCl water & 16 ball sealers. Balled Out. ATP-3250 psi, Max-5000 psi, ATR-3.5 bpm, Max-4.2 bpm, ISIP - 1900 psi.
2/15/96	4046' - 4048'	BJ Services - Breakdown w/ 2100 gal 2% KCl water & 12 ball sealers. Balled Out. ATP-2700 psi, Max-5000 psi, ATR-4.2 bpm, Max-4.5 bpm, ISIP - 1400 psi.



3/21/96 vk

BALCRON MONUMENT FEDERAL #14-8  
SW SW Sec.8, T9S, R17E  
Lease No. U-007978  
Monument Butte Field (Beluga Unit)  
Duchesne County, Utah

PAGE TWO

### WELL DATA INFORMATION

#### FRAC JOB

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11/11/93	5434' - 5446'	Western : w/17,500# 20/40 mesh sand & 13,000# 16/30 mesh sand w/386 bbls 2% KCL wtr. ATP 1320 psi, max 1710 psi. ATR 20 BPM, max 20 BPM. ISIP 1300 psi, 5 min 980 psi, 10 min 930 psi, 15 min 880 psi.
11/13/93	4573' - 4577' & 4628' - 4640'	Western : w/26,000# 16/30 mesh sand w/ 4500 gal 2% KCL wtr. ATP 2790 psi, max 2860 psi. ATR 24.8 BPM, max 25.1 BPM. ISIP 1930 psi, 5 min 1660 psi, 10 min 1580 psi, 15 min 1530 psi.
11/14/93	4302' - 4307'	Western : w/12,600# 16/30 mesh sand, w/340 bbls 2% KCL wtr. ATP 2750 psi, max 3000 psi. ATR 15 BPM mas 20 BPM. ISIP 2250 psi, 5 min 2050 psi, 10 min 1950 psi, 15 min 1870 psi.
2/15/96	4046' - 4048' & 4103' - 4107'	BJ Services : 2000 gal 2% KCl gel pad, followed by 3700 gal 2% KCl wtr w/ 24,898# 16/30 sand. Flushed w/ 3990 gal 2% KCl wtr. ATP-2900 psi, Max-3350 psi, ATR-30.2 bpm, Max-30.6 bpm, ISIP-2050 psi, 5min-1450 psi, 10min- 1310 psi, 15min-1220 psi, 30min-1050 psi.

Elev.GR - 5370.6' GL  
Elev.KB - 5383.6' KB (13' KB)

**WELLBORE DIAGRAM**

DATE: 3/21/96 vk

**SURFACE CASING**

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts (270 ft)  
DEPTH LANDED: 283' KB  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 150 sxs Class "G" + 2%  
CaCl + 1/4 #/sk D-29

283' KB

**PRODUCTION CASING**

CSG SIZE: 5-1/2"  
GRADE: K-55  
WEIGHT: 15.5#  
LENGTH: 137 jts (5916.24 ft)  
DEPTH LANDED: 5927.24' KB  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 170 sxs Hilti tailed by 290 sxs "G"  
CEMENT TOP AT: 2230' KB per CBL

**TUBING**

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 130 jts (3988.32 ft)  
TUBING ANCHOR: 2-7/8" x 5-1/2" (2.35 ft) 10" tension  
NO. OF JOINTS: 45 jts (1476.28 ft)  
SEATING NIPPLE: 2-7/8" x 1.10'  
PERFORATED SUB: 2-7/8" x 4.20'  
MUD ANCHOR: 2-7/8" x 30.10'  
TOTAL STRING LENGTH: 5502.35 ft (EOT @ 5515.35' KB)  
SN LANDED AT: 5481.05' KB

**SUCKER RODS**

POLISHED ROD: 1-1/4" x 22' Polish Rod  
SUCKER RODS: two - 3/4" x 2' Pony  
one - 3/4" x 6' Pony  
one - 3/4" x 8' Pony  
217 - 3/4" x 25' D-61 Plain

TOTAL STRING LENGTH: 5459.5 ft

PUMP NUMBER: Trico #1016  
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RWAC  
w/ PA plunger

PUMPING UNIT: LUFKIN C-320-246-86  
PRIME MOVER: AJAX E-42

LOGS: Dual Laterolog, Compensated Neutron  
LithoDensity, Cement Bond Log w/  
Variable Density

**ACID JOB /BREAKDOWN**

11/10/93	5434' - 5446'	Western -- Breakdown w/ 500 gal 15% HCl acid flushed w/ 2% KCL water. ATP-1500psi, MAX-3200 psi, ATR-4 bpm, Max-6.5 bpm. Initial break @ 3200psi at 2.5 bpm.
11/12/93	4573' - 4577'	Western -- Breakdown w/ 3990 gal 2% KCl water & 16 ball sealers. All balls on perfs. ATP-2500 psi, MAX-4100 psi, ATR 4 bpm, Max-4 bpm. ISIP-1600psi. Pump for rate 2.8 bpm at 2500 psi
11/12/93	4628' - 4640'	Western -- Breakdown w/ 2% KCl water & 48 ball sealers. Ball action seen. ATP-1850 psi, MAX-2000 psi, ATR 4 bpm, Max-4 bpm. ISIP-1800psi. Pump for rate 6.9 bpm at 2500 psi
11/14/93	4302' - 4307'	Western -- Breakdown w/ 2% KCl water & 20 ball sealers. Balled off. ATP-2000 psi, MAX-2500 psi, ATR-4 bpm, Max-4 bpm. ISIP-1750 psi.
2/15/96	4103' - 4107'	BJ Services - Breakdown w/ 4714 gal 2% KCl water & 16 ball sealers. Balled Out. ATP-3250 psi, Max-5000 psi, ATR-3.5 bpm, Max-4.2 bpm, ISIP - 1900 psi.
2/15/96	4046' - 4048'	BJ Services - Breakdown w/ 2100 gal 2% KCl water & 12 ball sealers. Balled Out. ATP-2700 psi, Max-5000 psi, ATR-4.2 bpm, Max-4.5 bpm, ISIP - 1400 psi.

**FRAC JOB**

11/11/93	5434' - 5446'	Western : w/17,500# 20/40 + 13,000# 16/30 sand w/ 386 bbls 2% KCl wtr. ATP-1320 psi, Max-1710 psi, ATR-20 bpm, Max-20 bpm ISIP-1300 psi, 5min-980 psi, 10min-930 psi, 15min-880 psi.
11/13/93	4573' - 4577' & 4628' - 4640'	Western : w/26,000# 16/30 sand w/ 4500 gal 2% KCL wtr. ATP-2790 psi, Max-2860 psi, ATR-24.8 bpm, Max-25.1 bpm, ISIP-1930 psi, 5min-1660 psi, 10min-1580 psi, 15min-1530 psi.
11/14/93	4302' - 4307'	Western : w/12,600# 16/30 sand w/ 340 bbls 2% KCL wtr. ATP-2750 psi, Max-3000 psi, ATR-15 bpm, Max-20 bpm, ISIP-2250 psi, 5min-2050 psi, 10min-1950 psi, 15min-1870 psi.
2/15/96	4046' - 4048' & 4103' - 4107'	BJ Services : 2000 gal 2% KCl gel pad, followed by 3700 gal 2% KCl wtr w/ 24,898# 16/30 sand. Flushed w/ 3990 gal 2% KCl wtr. ATP-2900 psi, Max-3350 psi, ATR-30.2 bpm, Max-30.6 bpm, ISIP-2050 psi, 5min-1450 psi, 10min-1310 psi, 15min-1220 psi, 30min-1050 psi.

**PERFORATION RECORD**

4046'-4048'	2/13/96	Schlumberger	4046' - 4048'	6 Holes	Y2
4103'-4107'			4103' - 4107'	8 Holes	Y3
4302'-4307'	11/14/93	Schlumberger	4302' - 4307'	(5 ft) 2 SPF	10 Holes Y5
4573'-4577'	11/12/93	Schlumberger	4573' - 4577'	(4 ft) 2 SPF	8 Holes R1
4628'-4640'			4628' - 4640'	(13 ft) 2 SPF	26 Holes R2
5434'-5446'	11/10/93	Schlumberger	5434' - 5446'	(12 ft) 2 SPF	24 Holes B1

SN LANDED @ 5481' KB  
EOT LANDED @ 5515' KB

PBSD @ 5878' KB  
TD @ 5950' KB